Safe Transportation System

Tangible Result Driver – Don Hillis,
Director of System Management

MoDOT works closely with other safety advocates to make our roads and work zones safer. The department supports educational programs which encourage safe driving practices and enforcement efforts which increase adherence to traffic laws. MoDOT will not compromise safety because it believes in the well-being of its employees and customers.

Safe Transportation System

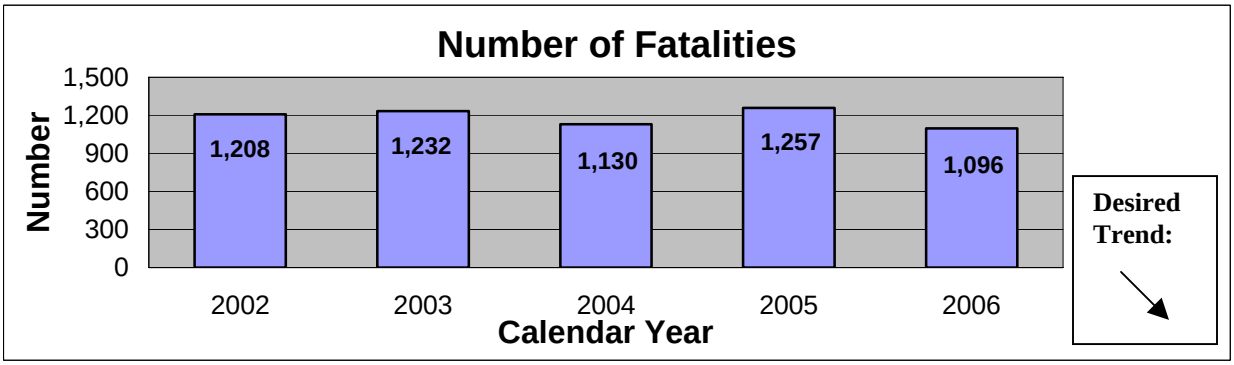
Number of fatalities and disabling injuries

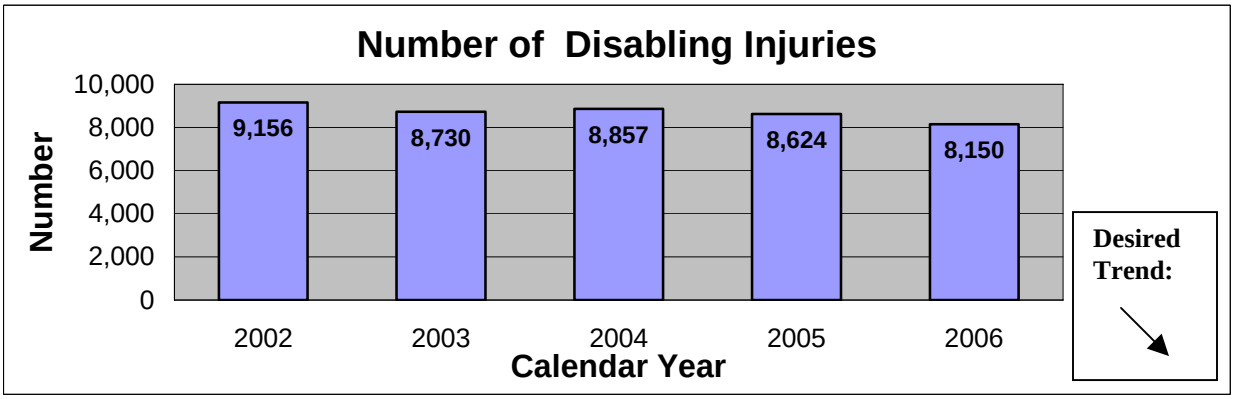
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

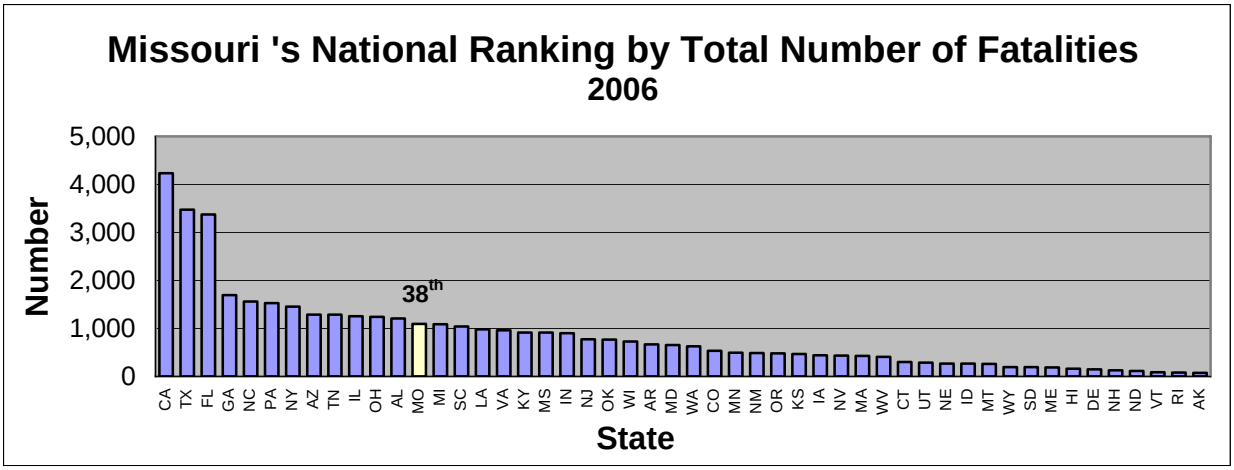
Purpose of the Measure:
This measure tracks annual trends in fatal and disabling injuries resulting from traffic crashes on all Missouri roadways. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

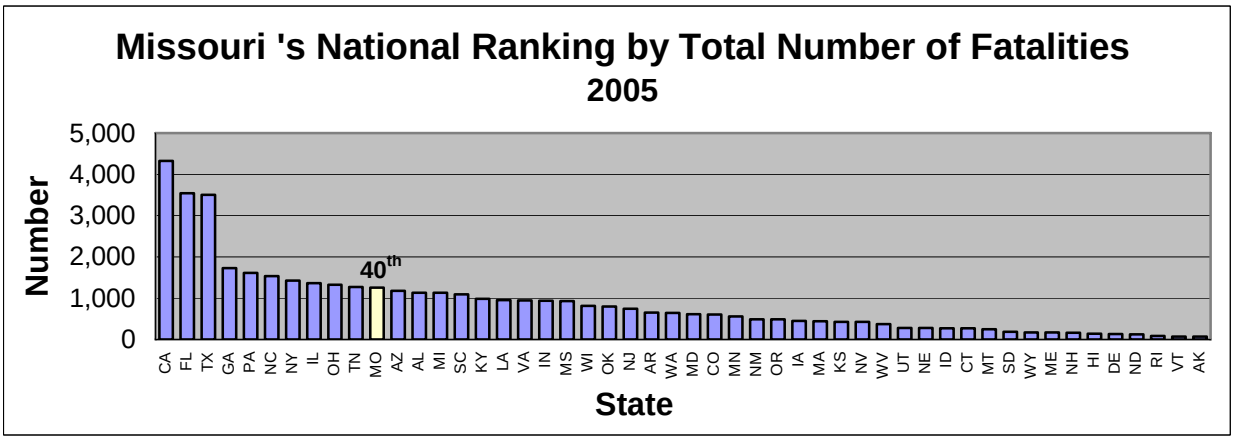
Measurement and Data Collection:
Crash data is collected by the Missouri State Highway Patrol and entered into a traffic accident record system. The record system automatically updates MoDOT's traffic management system. Crash data reports are available to law enforcement and traffic safety advocates for crash analysis through both databases. Data is collected on an annual basis and is updated in July of the following year.

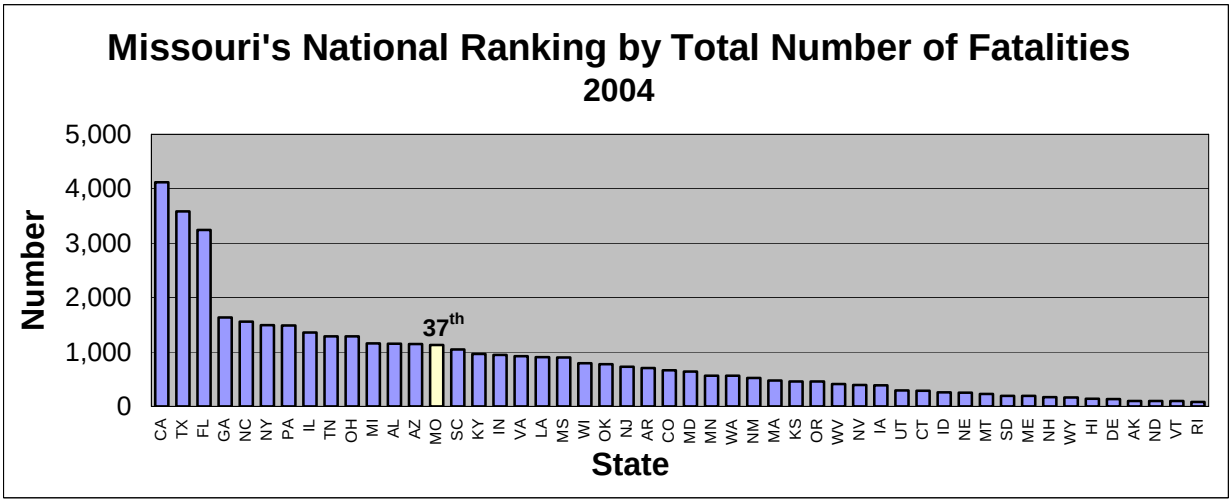
Improvement Status:
Fatalities decreased by 13 percent in 2006 after experiencing a significant increase in 2005. Fewer Missourians lost their lives in 2006 than have since 1999. Disabling injuries continue to show a decreasing trend. There were nearly 500 fewer disabling injuries in 2006 compared to 2005 and over 700 fewer when compared to 2004. The national data comparison shows that Missouri moved from 40th in 2005 to 38th in 2006 for total fatalities. Fatalities and disabling injuries are decreasing due in part to engineering enhancements such as three-stand guard cable, rumble strips and enhanced delineation. Also contributing are strong safety belt public information campaigns combined with increased law enforcement participation in statewide campaigns.






Missouri 's National Ranking by Total Number of Fatalities
2006
Number
5,000
4,000
3,000
2,000
1,000
0
38th
CA TX FL GA NC PA NY AZ TN IL OH AL MO MI SC LA VA KY MS IN NJ OK WI AR MD WA CO MN NM OR KS IA NV MA WV CT UT NE ID MT WY SD ME HI DE NH ND VT RI AK
State


Missouri 's National Ranking by Total Number of Fatalities
2005
Number
5,000
4,000
3,000
2,000
1,000
0
40th
CA FL TX GA PA NC NY IL OH TN MO AZ AL MI SC KY LA VA IN MS WI OK NJ AR WA MD CO MN NM OR IA MA KS NV WV UT NE ID CT MT SD WY ME NH HI DE ND RI VT AK
State


Missouri's National Ranking by Total Number of Fatalities
2004
Number
5,000
4,000
3,000
2,000
1,000
0
37th
CA TX FL GA NC NY PA IL TN OH MI AL AZ MO SC KY IN VA LA MS WI OK NJ AR CO MD MN WA NM MA KS OR WV NV IA UT CT ID NE MT SD ME NH WY HI DE AK ND VT RI
State

Safe Transportation System

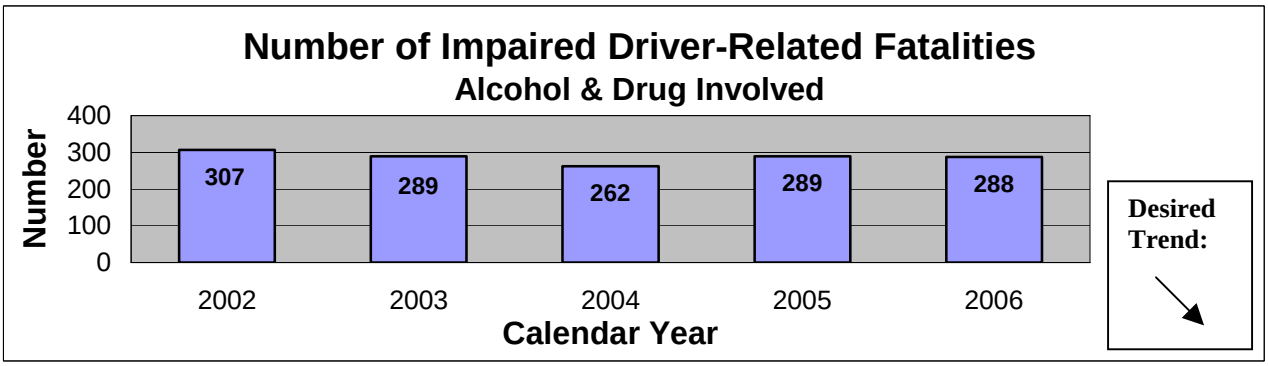
Number of impaired driver-related fatalities and disabling injuries

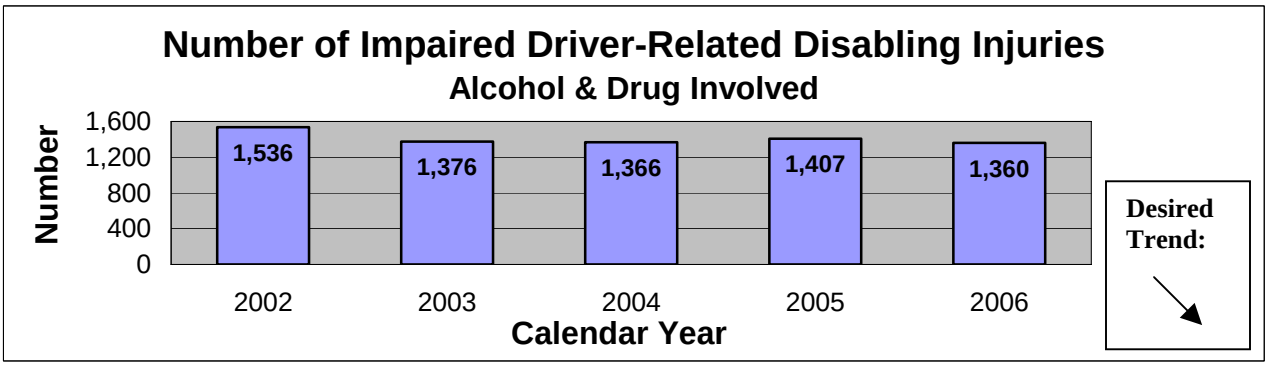
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

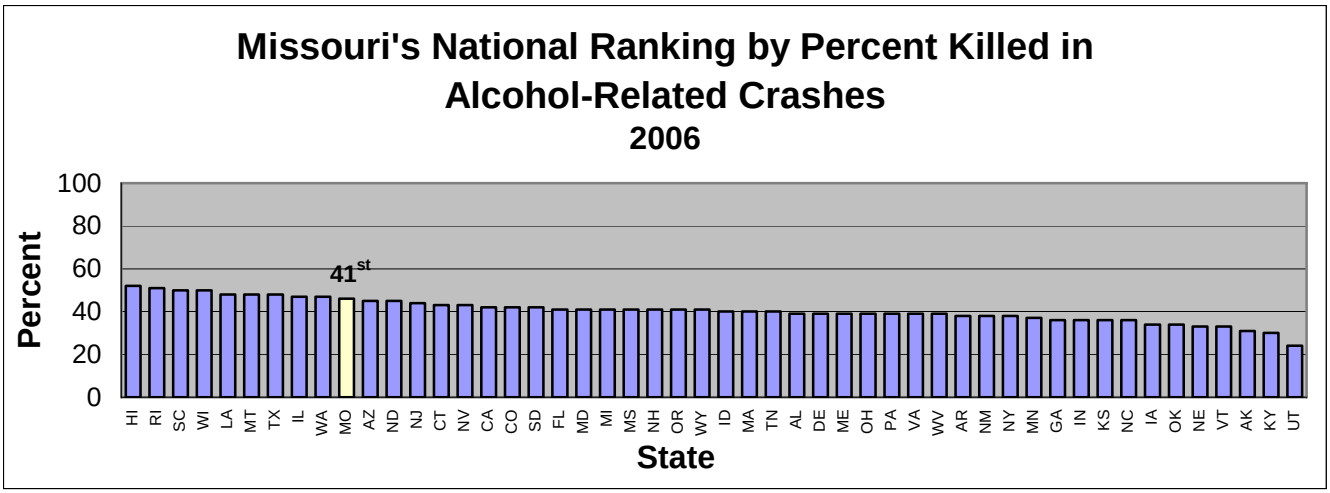
Purpose of the Measure:
This measure tracks annual trends in fatalities and injuries resulting from traffic crashes on all Missouri roadways involving drivers who are impaired by alcohol and/or drugs. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

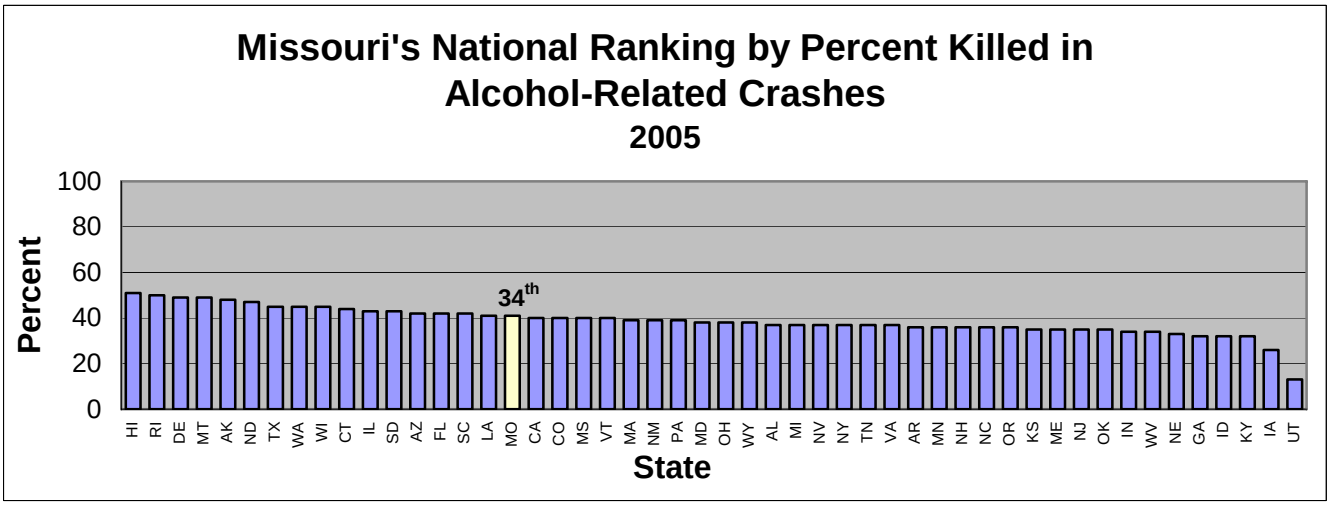
Measurement and Data Collection:
Crash data is collected by the Missouri State Highway Patrol and entered into a traffic accident record system. The record system automatically updates MoDOT's traffic management system. Crash data reports are available to law enforcement and traffic safety advocates for crash analysis through both databases. Data is collected on an annual basis and is updated in July of the following year.

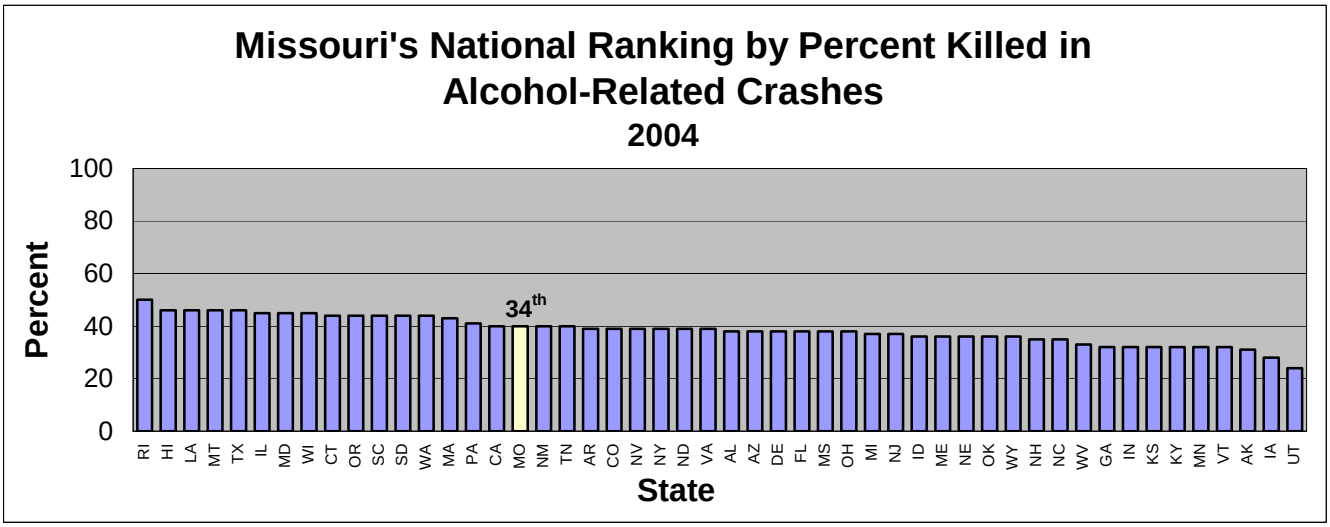
Improvement Status:
Alcohol- and drug-related fatalities and disabling injuries have remained constant for the past five years. In the national comparison, Missouri continues to move away from the desired downward trend in percent of persons killed in alcohol-related crashes. In addition to Missouri participating in the national "You Drink and Drive, You Lose" campaign, the Missouri Law Enforcement Traffic Safety Advisory Council selected specific days to increase law enforcement activity through December 2008. Public information and education has been directed at high-risk drivers ages 21 to 35. Law enforcement efforts have been concentrated on high-crash corridors and increasing the number of sobriety checkpoints. Although these efforts have helped reduce impaired driving crashes overall, impaired driving fatalities have not been impacted. An increasing number of people who work in liquor establishments are completing the online server training modules that were first developed three years ago.






Missouri's National Ranking by Percent Killed in Alcohol-Related Crashes
2006
Percent
100
80
60
40
20
0
41st
HI RI SC WI LA MT TX IL WA MO AZ ND NJ CT NV CA CO SD FL MD MI MS NH OR WY ID MA TN AL DE ME OH PA VA WV AR NM NY MN GA IN KS NC IA OK NE VT AK KY UT
State


Missouri's National Ranking by Percent Killed in Alcohol-Related Crashes
2005
Percent
100
80
60
40
20
0
34th
HI RI DE MT AK ND TX WA WI CT IL SD AZ FL SC LA MO CA CO MS VT MA NM PA MD OH WY AL MI NV NY TN VA AR MN NH NC OR KS ME NJ OK IN WV NE GA ID KY IA UT
State


Missouri's National Ranking by Percent Killed in Alcohol-Related Crashes
2004
Percent
100
80
60
40
20
0
34th
RI HI LA MT TX IL MD WI CT OR SC SD WA MA PA CA MO NM TN AR CO NV NY ND VA AL AZ DE FL MS OH MI NJ ID ME NE OK WY NH NC WV GA IN KS KY MN VT AK IA UT
State

Safe Transportation System

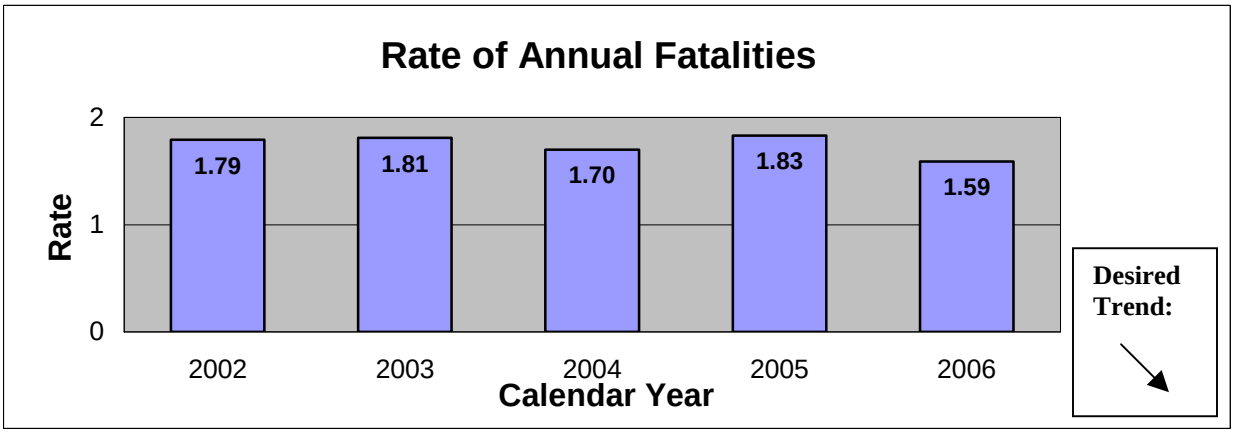
Rate of annual fatalities and disabling injuries

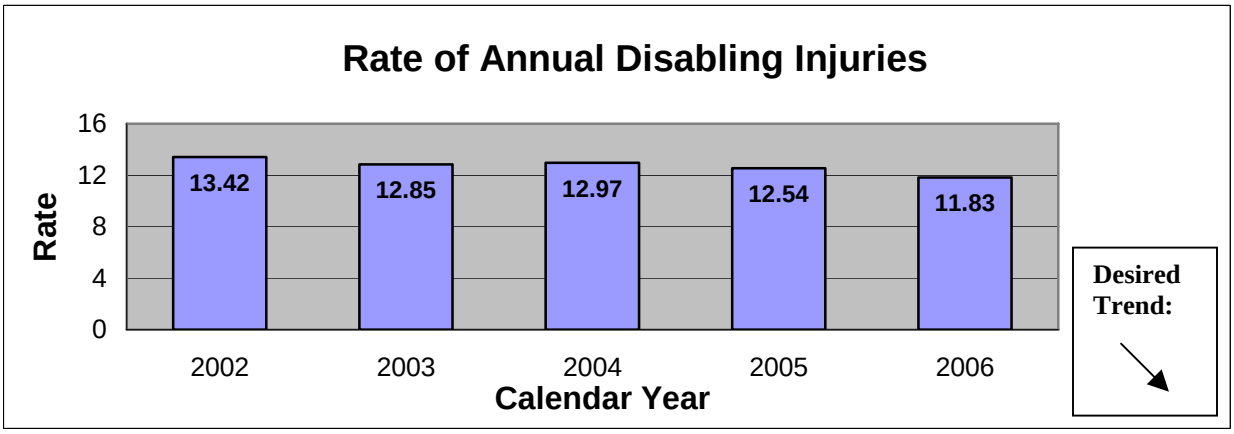
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

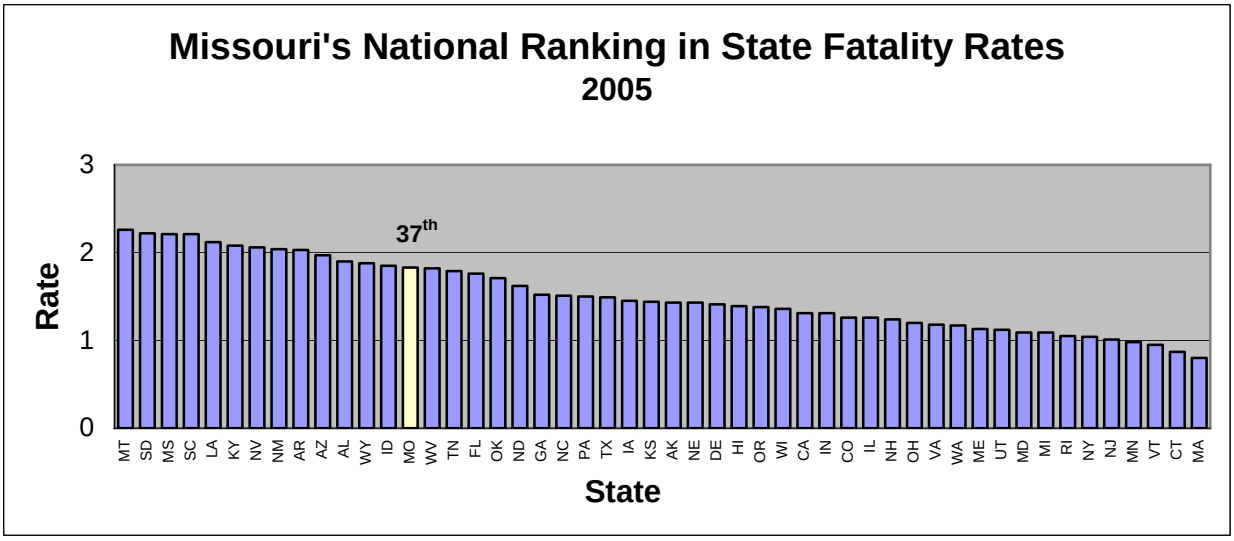
Purpose of the Measure:
This measure tracks annual trends in fatal and disabling injury rates per 100 million vehicle miles traveled (HMVM) in Missouri. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

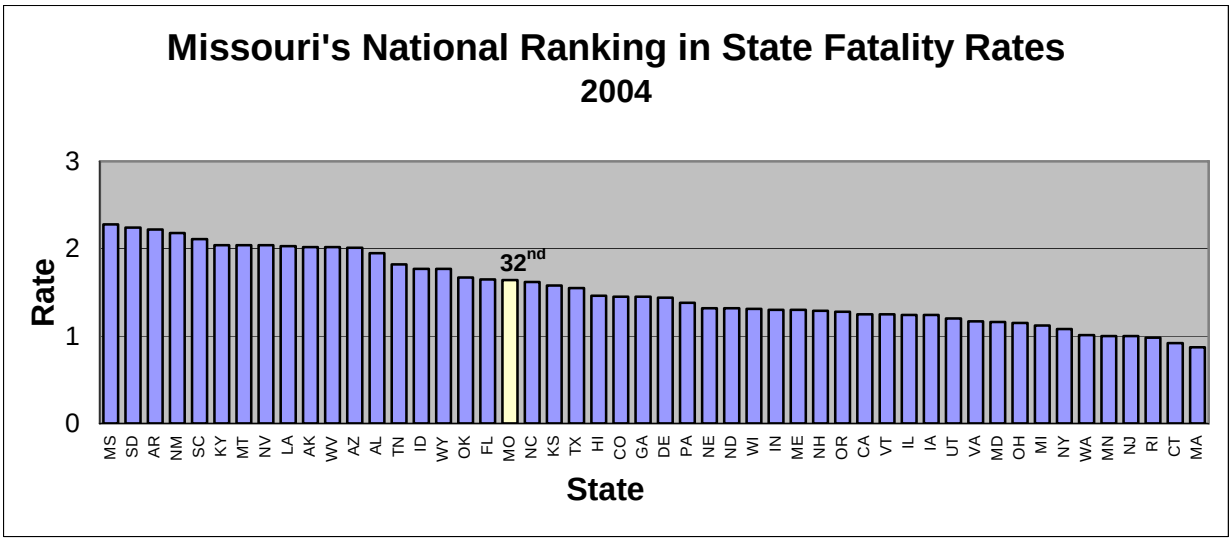
Measurement and Data Collection:
Crash data is collected by the Missouri State Highway Patrol and entered into a traffic accident record system. The record system automatically updates MoDOT's traffic management system. Crash data reports are available to law enforcement and traffic safety advocates for crash analysis through both databases. Data is collected on an annual basis and is updated in July of the following year.

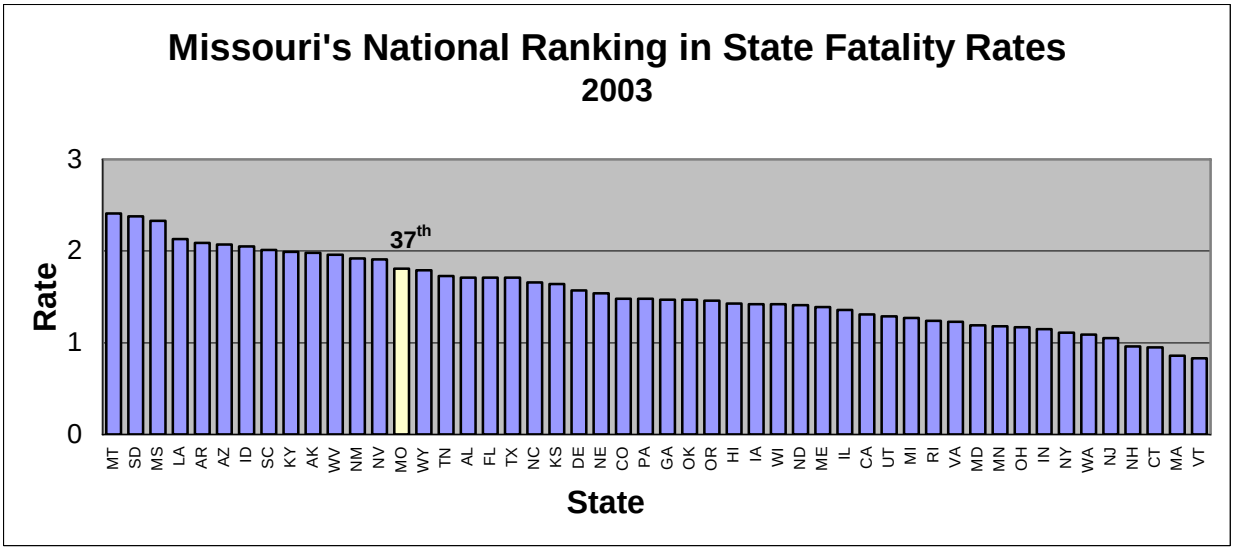
Improvement Status:
The fatality rate in Missouri is the lowest in six years. Based on the national comparison, however, Missouri has moved from 32nd in 2004 to 37th in 2005. The 2006 national comparison is not yet available. Based on the national goal of a 1.0 fatality rate, Missouri is still moving in the right direction. Focused law enforcement efforts, engineering safety enhancements and increased public awareness all contribute to the decrease.






Missouri's National Ranking in State Fatality Rates
2005
Rate
3
2
1
0
37th
MT SD MS SC LA KY NV NM AR AZ AL WY ID MO WV TN FL OK ND GA NC PA TX IA KS AK NE DE HI OR WI CA IN CO IL NH OH VA WA ME UT MD MI RI NY NJ MN VT CT MA
State


Missouri's National Ranking in State Fatality Rates
2004
Rate
3
2
1
0
32nd
MS SD AR NM SC KY MT NV LA AK WV AZ AL TN ID WY OK FL MO NC KS TX HI CO GA DE PA NE ND WI IN ME NH OR CA VT IL IA UT VA MD OH MI NY WA MN NJ RI CT MA
State


Missouri's National Ranking in State Fatality Rates
2003
Rate
3
2
1
0
37th
MT SD MS LA AR AZ ID SC KY AK WV NM NV MO WY TN AL FL TX NC KS DE NE CO PA GA OK OR HI IA WI ND ME IL CA UT MI RI VA MD MN OH IN NY WA NJ NH CT MA VT
State

Safe Transportation System

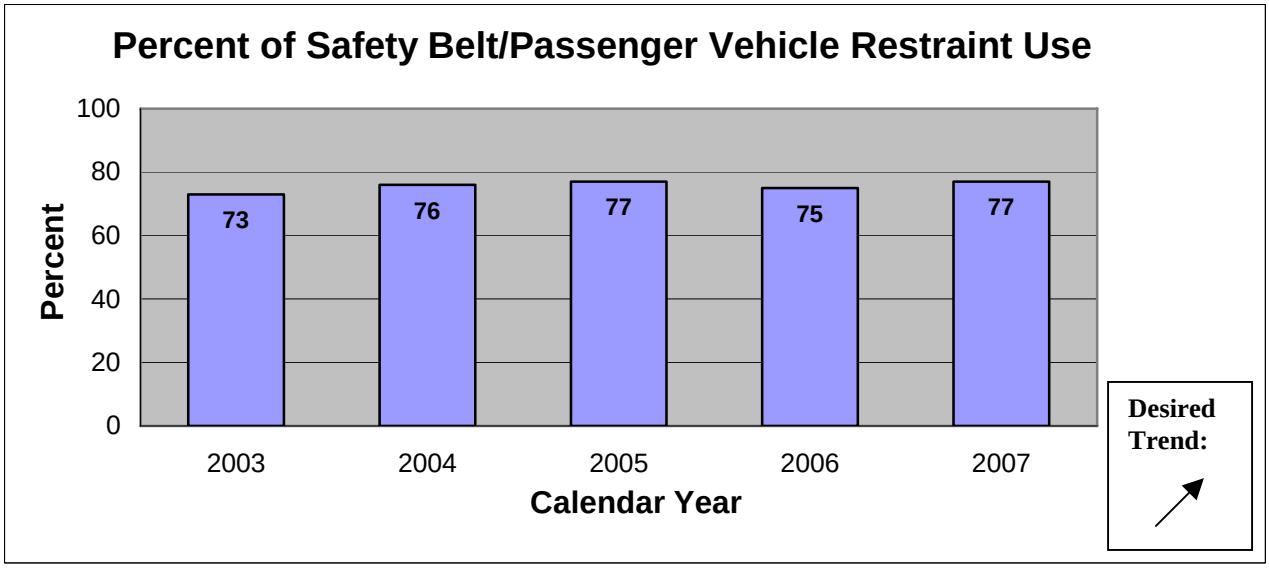
Percent of safety belt/passenger vehicle restraint use

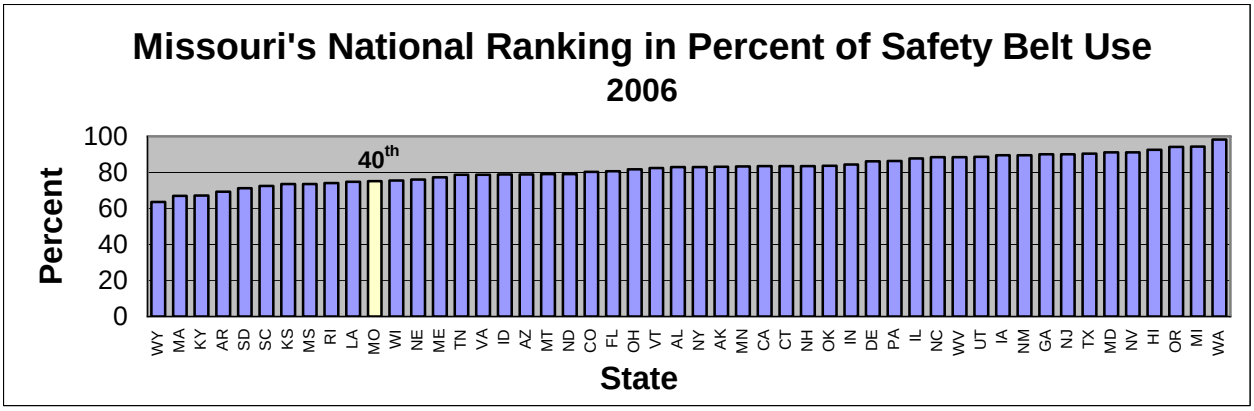
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

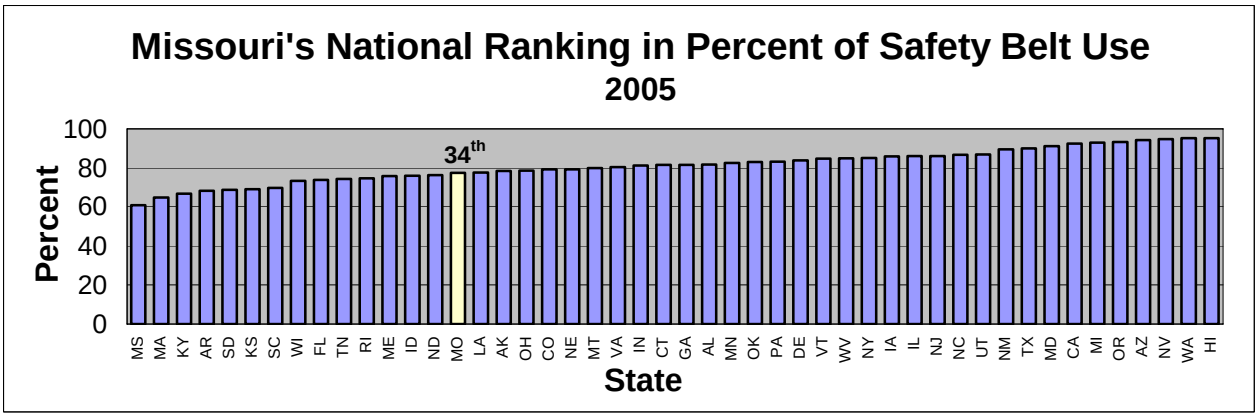
Purpose of the Measure:
This measure tracks annual trends in safety belt usage by persons in passenger vehicles. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

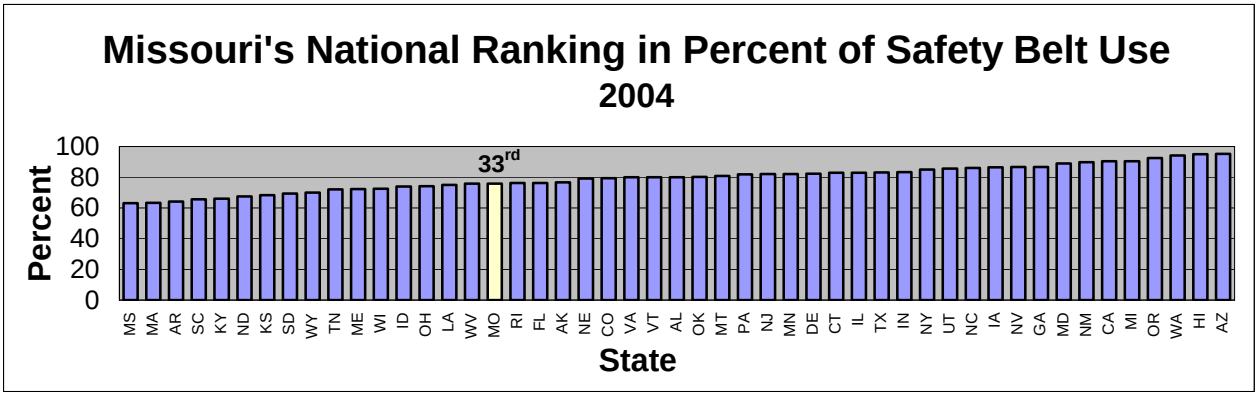
Measurement and Data Collection:
Each June, a statewide survey is conducted at 460 pre-selected locations in 20 counties. The data collected at these sites is calculated into a safety belt usage rate by using a formula approved by the National Highway Traffic Safety Administration. The safety belt usage survey enables data collection from locations representative of 85 percent of the state's population. The data collection plan is the same each year for consistency and compliance with the National Highway Traffic Safety Administration guidelines. Data is collected on an annual basis and is updated in August of the following year. Annual information for the national rankings is not available from all 50 states.

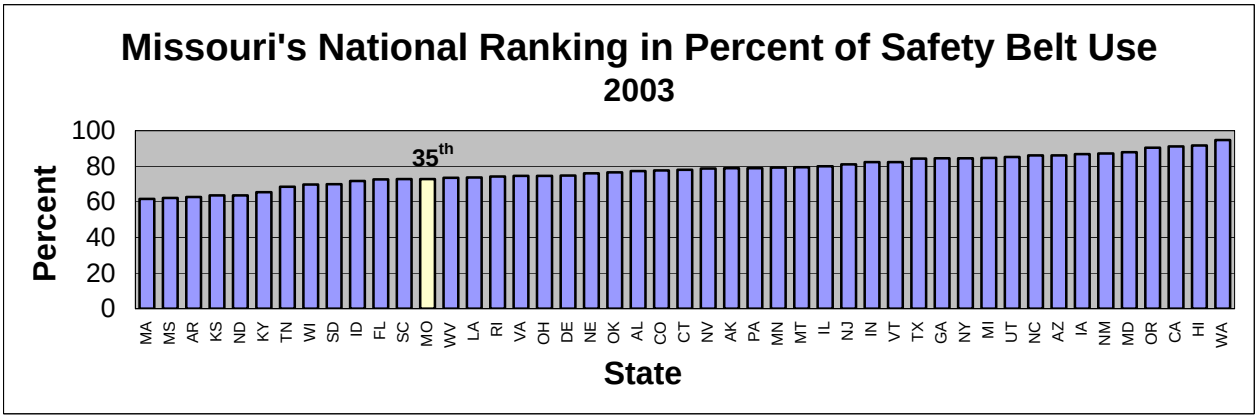
Improvement Status:
Safety belt use in Missouri has remained fairly constant for the past four years. In the 2006 national comparison, Missouri ranked 40th in safety belt usage. The 2007 national comparison will not be available until August 2008. Missouri continues to focus efforts through public information and education and law enforcement participation in the national "Click it or Ticket" campaign. A statewide program focusing on teen safety belt use, has also proven to be successful in increasing use among teenagers. MoDOT continues to promote the need for a primary safety belt law in Missouri.




Missouri's National Ranking in Percent of Safety Belt Use
2006
Percent
100
80
60
40
20
0
40th
WY MA KY AR SD SC KS MS RI LA MO WI NE ME TN VA ID AZ MT ND CO FL OH VT AL NY AK MN CA CT NH OK IN DE PA IL NC WV UT IA NM GA NJ TX MD NV HI OR MI WA
State


Missouri's National Ranking in Percent of Safety Belt Use
2005
Percent
100
80
60
40
20
0
34th
MS MA KY AR SD KS SC WI FL TN RI ME ID ND MO LA AK OH CO NE MT VA IN CT GA AL MN OK PA DE VT WV NY IA IL NJ NC UT NM TX MD CA MI OR AZ NV WA HI
State


Missouri's National Ranking in Percent of Safety Belt Use
2004
Percent
100
80
60
40
20
0
33rd
MS MA AR SC KY ND KS SD WY TN ME WI ID OH LA WV MO RI FL AK NE CO VA VT AL OK MT PA NJ MN DE CT IL TX IN NY UT NC IA NV GA MD NM CA MI OR WA HI AZ
State


Missouri's National Ranking in Percent of Safety Belt Use
2003
Percent
100
80
60
40
20
0
35th
MA MS AR KS ND KY TN WI SD ID FL SC MO WV LA RI VA OH DE NE OK AL CO CT NV AK PA MN MT IL NJ IN VT TX GA NY MI UT NC AZ IA NM MD OR CA HI WA
State

Safe Transportation System

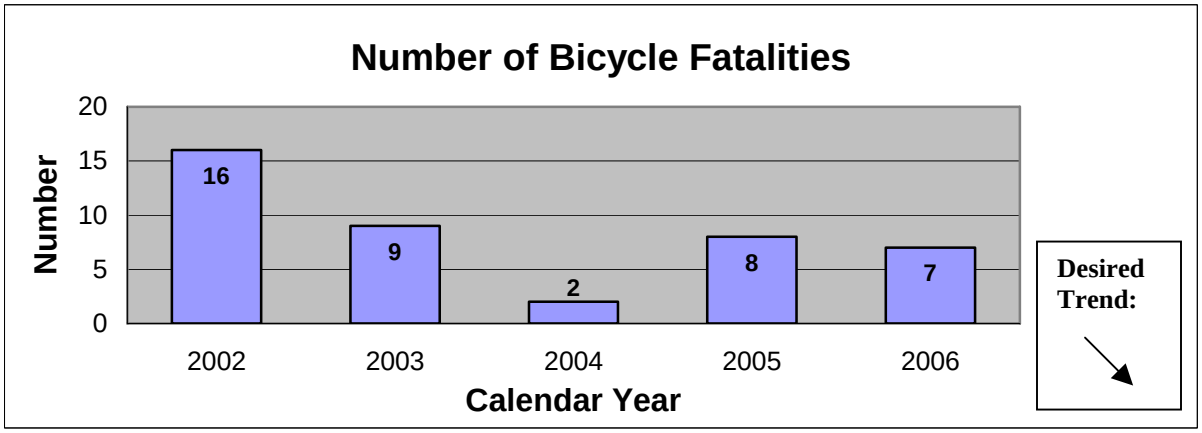
Number of bicycle and pedestrian fatalities and disabling injuries

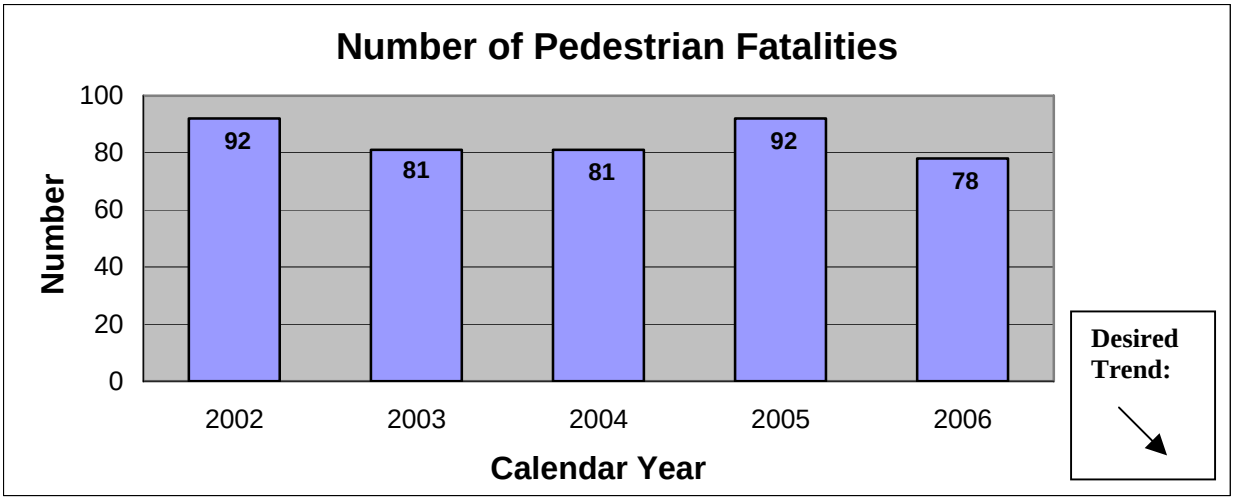
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

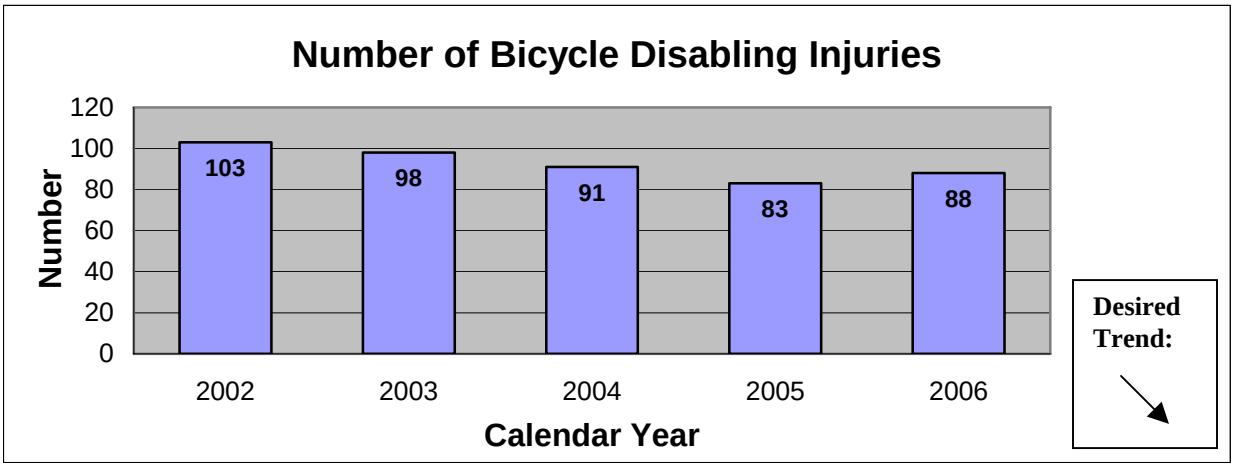
Purpose of the Measure:
This measure tracks annual trends in fatalities and disabling injuries resulting from traffic crashes with bicycles and pedestrians on Missouri roadways. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

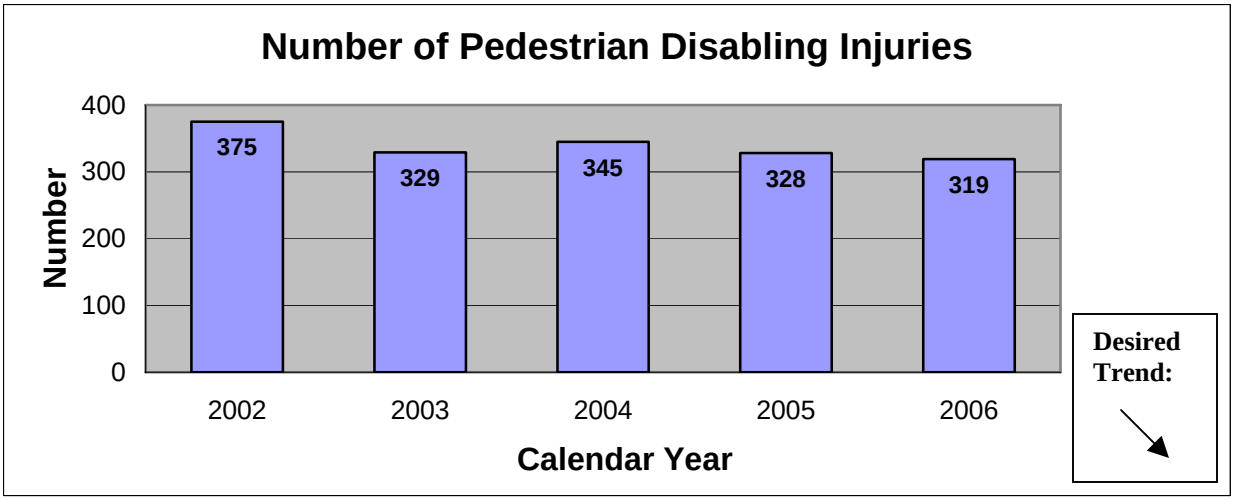
Measurement and Data Collection:
Crash data is collected by the Missouri State Highway Patrol and entered into a traffic accident record system. The record system automatically updates MoDOT's traffic management system. Crash data reports are available to law enforcement and traffic safety advocates for crash analysis through both databases. Data is collected on an annual basis and updated in July of the following year.

Improvement Status:
This data reflects the number of fatalities and disabling injuries occurring when a motor vehicle is involved in a crash with a bicycle or pedestrian. These bicycle numbers remain steady, although MoDOT has been increasing the miles of dedicated bike lanes. Pedestrian fatalities and disabling injuries reached the lowest numbers in the past five years mainly due to signaling and dedicated crossing area improvements. Funds have been dedicated to support the Bicycle Pedestrian Advisory Committee.




Number of Pedestrian Fatalities
Number
100
80
60
40
20
0
92
81
81
92
78
2002
2003
2004
2005
2006
Calendar Year
Desired Trend:


Number of Bicycle Disabling Injuries
Number
120
100
80
60
40
20
0
103
98
91
83
88
2002
2003
2004
2005
2006
Calendar Year
Desired Trend:


Number of Pedestrian Disabling Injuries
Number
400
300
200
100
0
375
329
345
328
319
2002
2003
2004
2005
2006
Calendar Year
Desired Trend:

Safe Transportation System

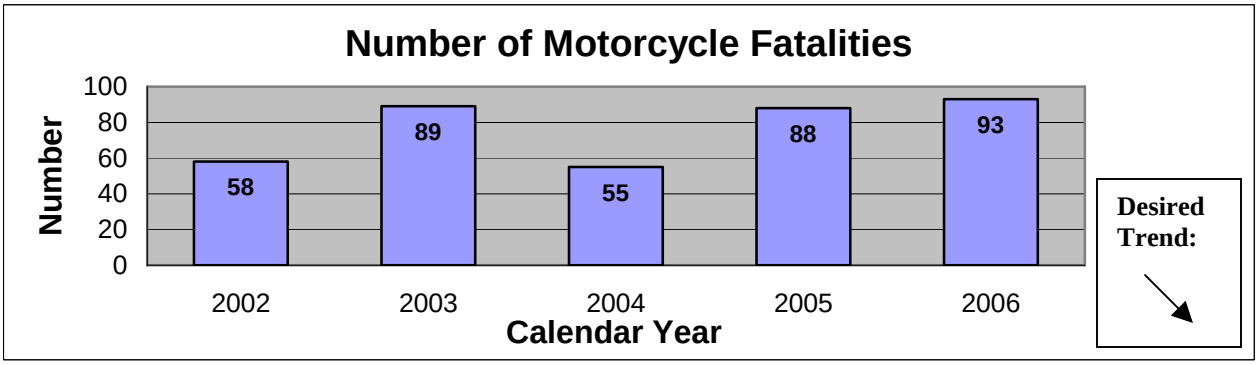
Number of motorcycle fatalities and disabling injuries

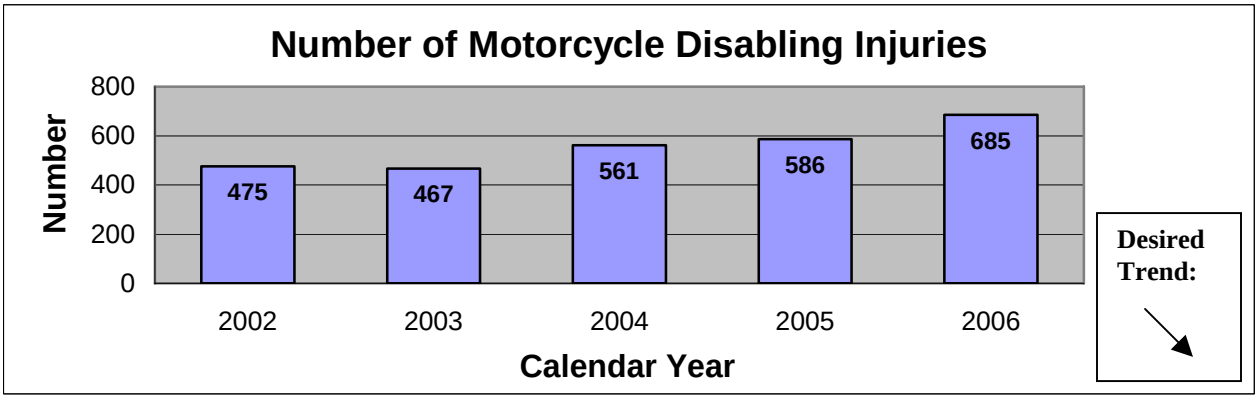
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Leanna Depue, Highway Safety Director

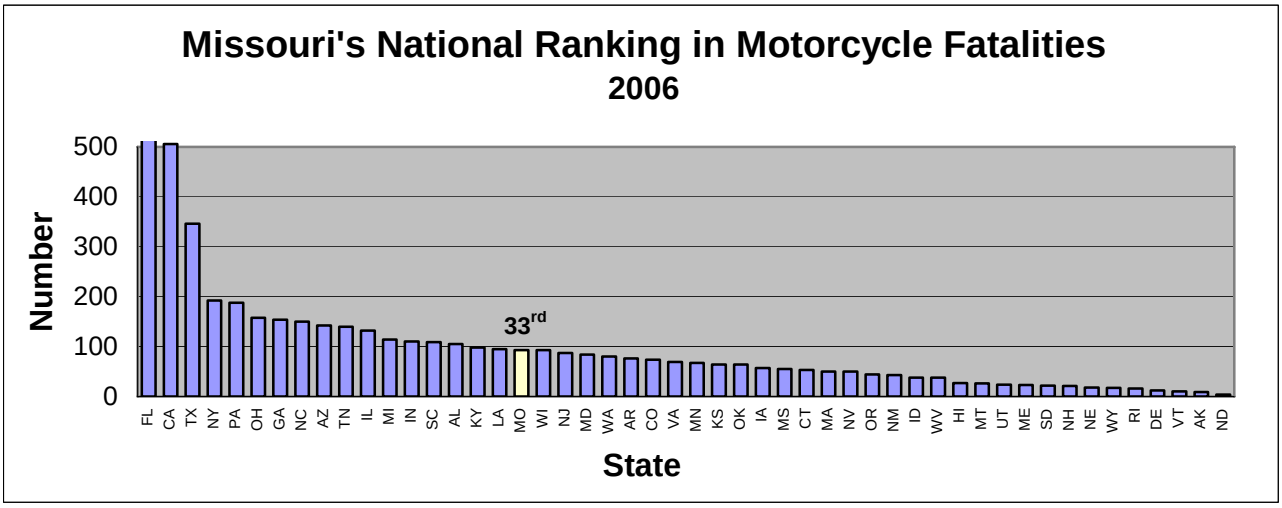
Purpose of the Measure:
This measure tracks annual trends in fatal and disabling injuries resulting from motorcycle traffic crashes on all Missouri roadways. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by 2008.

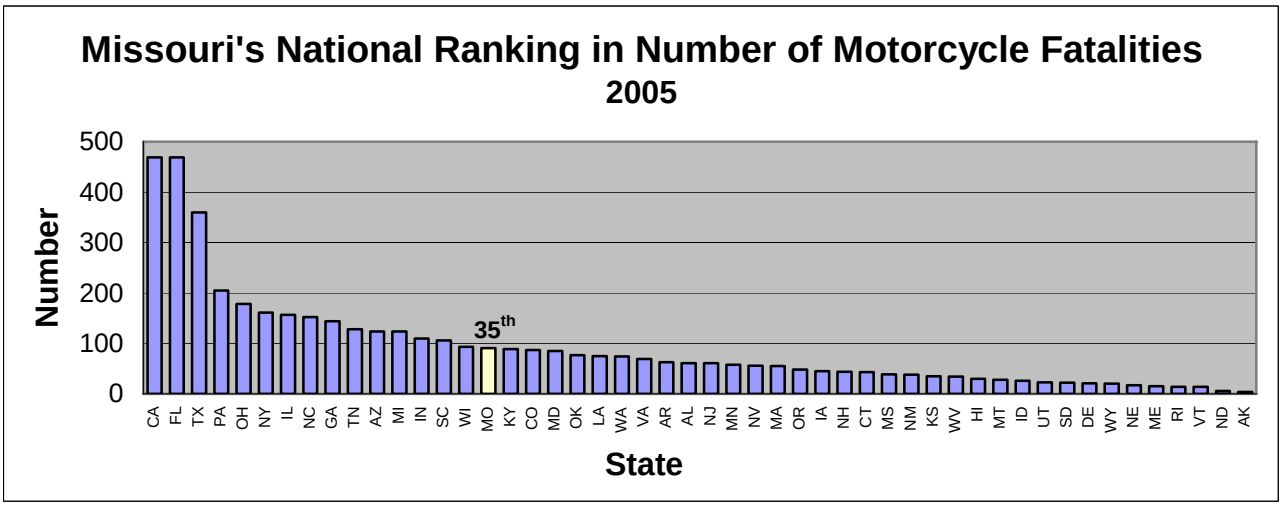
Measurement and Data Collection:
Crash data is collected by the Missouri State Highway Patrol and entered into a traffic accident record system. The record system automatically updates MoDOT's traffic management system. Crash data reports are available to law enforcement and traffic safety advocates for crash analysis through both databases. Data is collected on an annual basis and updated in July of the following year.

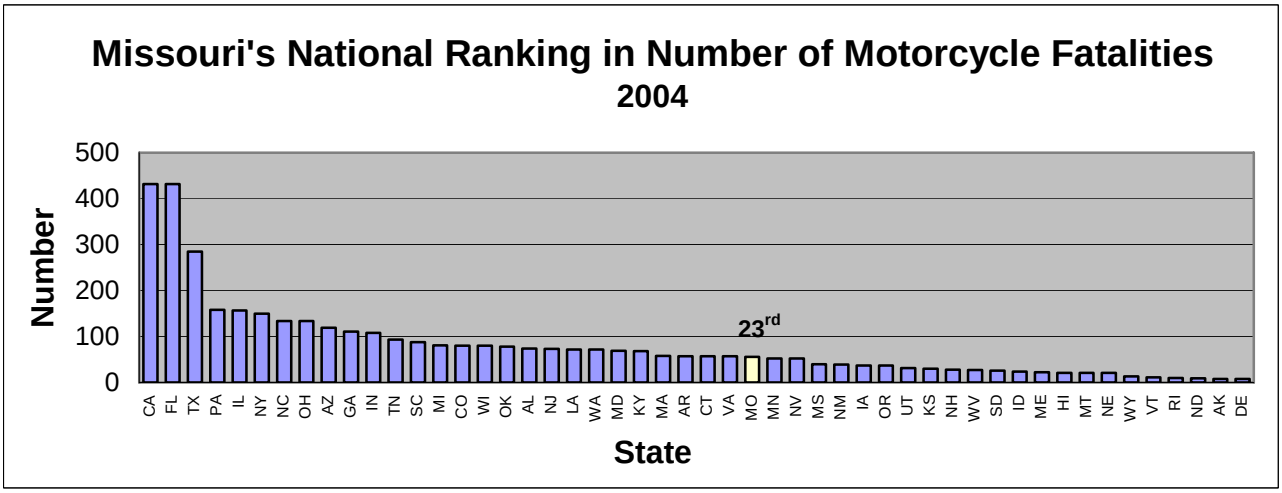
Improvement Status:
Motorcycle fatalities and disabling injuries have shown an upward trend over the past four years. In 2006, Missouri experienced the highest number of motorcycle fatalities on record. The national data comparison shows Missouri moved from 35th in 2005 to 33rd in 2006. Longer riding seasons and a significant increase in the number of licensed motorcycles and riders have increased the exposure rate in recent years. Rider education classes are offered within one hour's driving time throughout Missouri. More than 4,000 riders at 28 sites are trained each year. In 2006, a Motorcycle Safety Task Force was organized and charged with developing a strategic plan. The task force has completed the plan and is currently moving forward with implementation.






Missouri's National Ranking in Motorcycle Fatalities
2006
Number
500
400
300
200
100
0
33rd
FL CA TX NY PA OH GA NC AZ TN IL MI IN SC AL KY LA MO WI NJ MD WA AR CO VA MN KS OK IA MS CT MA NV OR NM ID WV HI MT UT ME SD NH NE WY RI DE VT AK ND
State


Missouri's National Ranking in Number of Motorcycle Fatalities
2005
Number
500
400
300
200
100
0
35th
CA FL TX PA OH NY IL NC GA TN AZ MI IN SC WI MO KY CO MD OK LA WA VA AR AL NJ MN NV MA OR IA NH CT MS NM KS WV HI MT ID UT SD DE WY NE ME RI VT ND AK
State


Missouri's National Ranking in Number of Motorcycle Fatalities
2004
Number
500
400
300
200
100
0
23rd
CA FL TX PA IL NY NC OH AZ GA IN TN SC MI CO WI OK AL NJ LA WA MD KY MA AR CT VA MO MN NV MS NM IA OR UT KS NH WV SD ID ME HI MT NE WY VT RI ND AK DE
State

Safe Transportation System

Number of commercial motor vehicle crashes resulting in fatalities

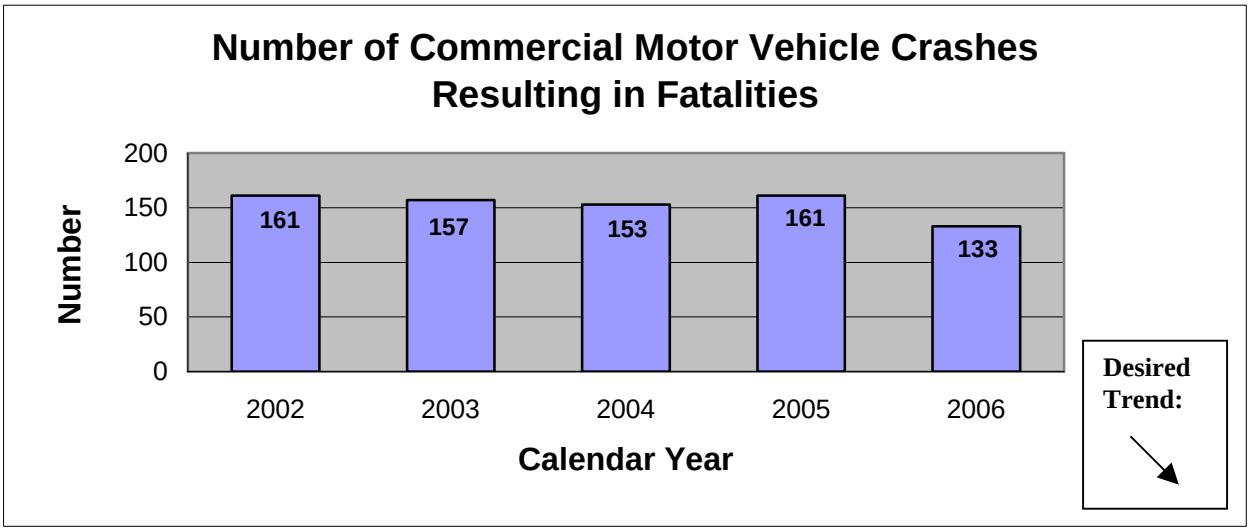
Result Driver: Don Hillis, Director of Systems Management
Measurement Driver: Charles Gohring, Motor Carrier Services Program Manager

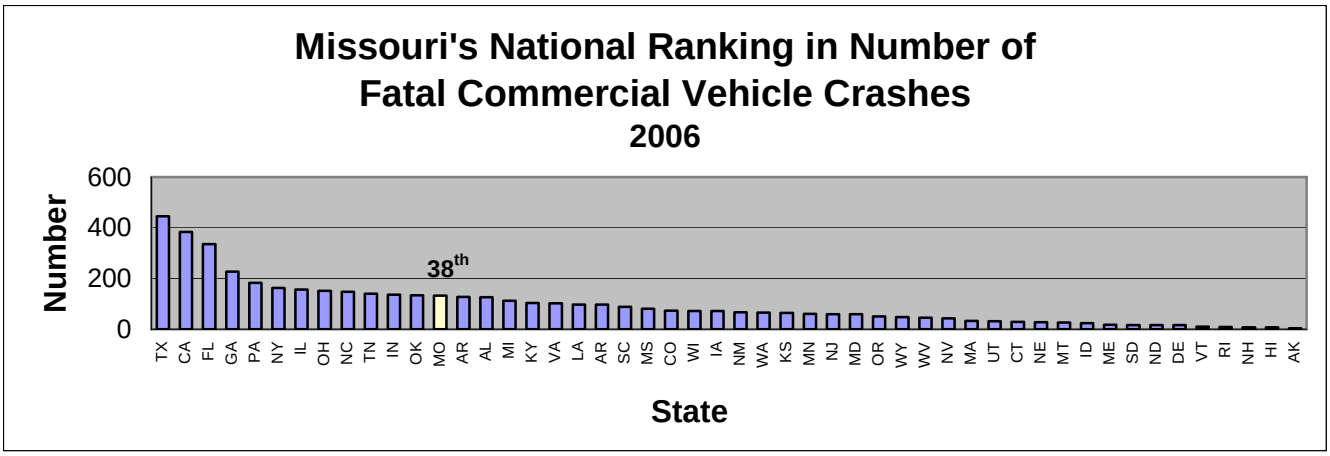
Purpose of the Measure:
This measure tracks the number of commercial motor vehicles involved in fatal crashes each year. MoDOT uses the information to target educational and enforcement efforts.

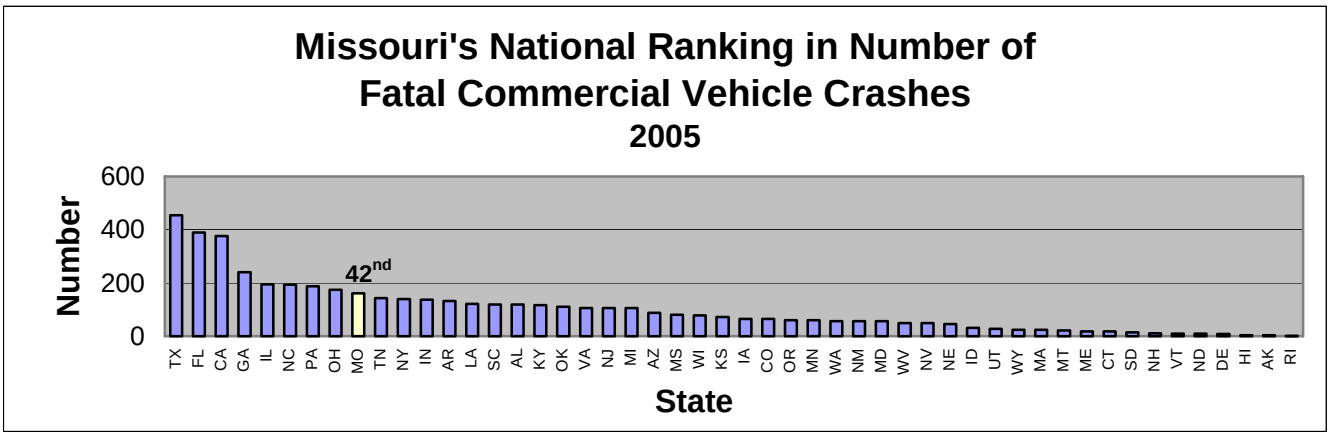
Measurement and Data Collection:
The Missouri State Highway Patrol collects and records the crash statistics used in this measure. The data used in this measure reports the number of commercial motor vehicles involved in a crash where one or more people die within 30 days as a result of the crash. This is an annual measure and will be updated each April for the previous year.

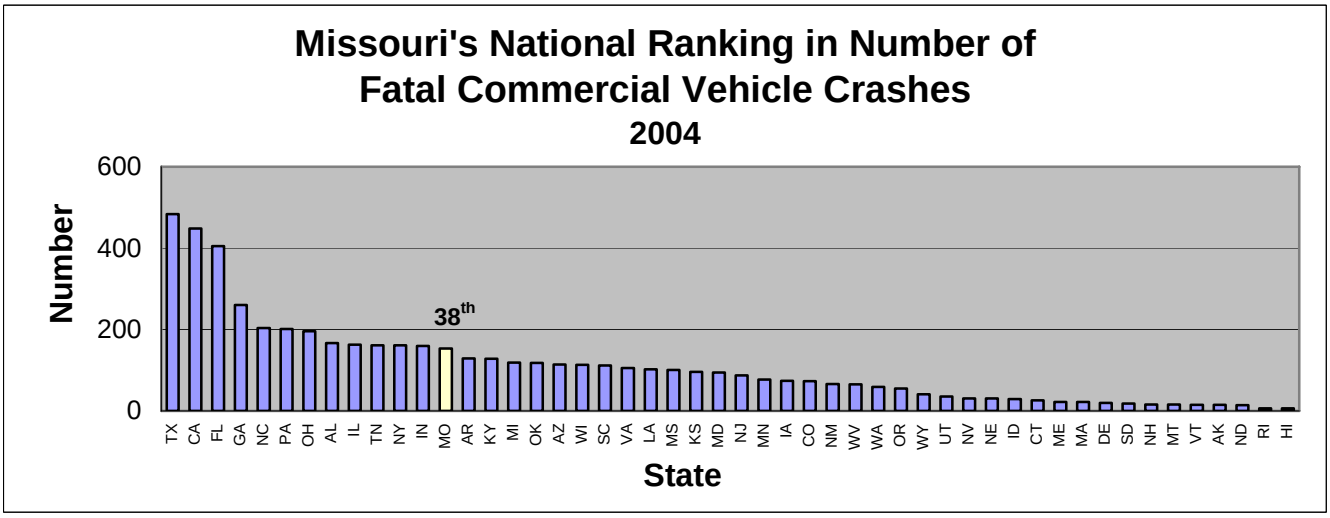
Improvement Status:
Between 2002 and 2004, the number of Missouri commercial motor vehicle fatal crashes dropped from 161 to 153. The number of fatal crashes notably decreased by 13 percent between 2005 and 2006. MoDOT coordinates its efforts with the Missouri State Highway Patrol, the Federal Motor Carrier Safety Administration Missouri Division and the Kansas City and St. Louis police departments. MoDOT efforts include the installation of larger highway signs, highly reflective pavement markings, cable guardrails, roundabout intersections, incident management alert signs, roadside rumble strips, and intelligent transportation systems at scales. MoDOT conducts carrier safety training, regulation compliance reviews, safety audits of new motor carrier firms and truck inspections at terminals and destinations. The Missouri State Highway Patrol, St. Louis and Kansas City Police Departments conduct commercial vehicle roadside inspections in order to remove unsafe drivers and vehicles from the road.

Missouri ranked 38th in the number of fatality crashes nationwide in 2006.




Missouri's National Ranking in Number of
Fatal Commercial Vehicle Crashes
2006
Number
600
400
200
0
38th
TX CA FL GA PA NY IL OH NC TN IN OK MO AR AL MI KY VA LA AR SC MS CO WI IA NM WA KS MN NJ MD OR WY WV NV MA UT CT NE MT ID ME SD ND DE VT RI NH HI AK
State


Missouri's National Ranking in Number of
Fatal Commercial Vehicle Crashes
2005
Number
600
400
200
0
42nd
TX FL CA GA IL NC PA OH MO TN NY IN AR LA SC AL KY OK VA NJ MI AZ MS WI KS IA CO OR MN WA NM MD WV NV NE ID UT WY MA MT ME CT SD NH VT ND DE HI AK RI
State


Missouri's National Ranking in Number of
Fatal Commercial Vehicle Crashes
2004
Number
600
400
200
0
38th
TX CA FL GA NC PA OH AL IL TN NY IN MO AR KY MI OK AZ WI SC VA LA MS KS MD NJ MN IA CO NM WV WA OR WY UT NV NE ID CT ME MA DE SD NH MT VT AK ND RI HI
State

Safe Transportation System

Number of commercial motor vehicle crashes resulting in injuries

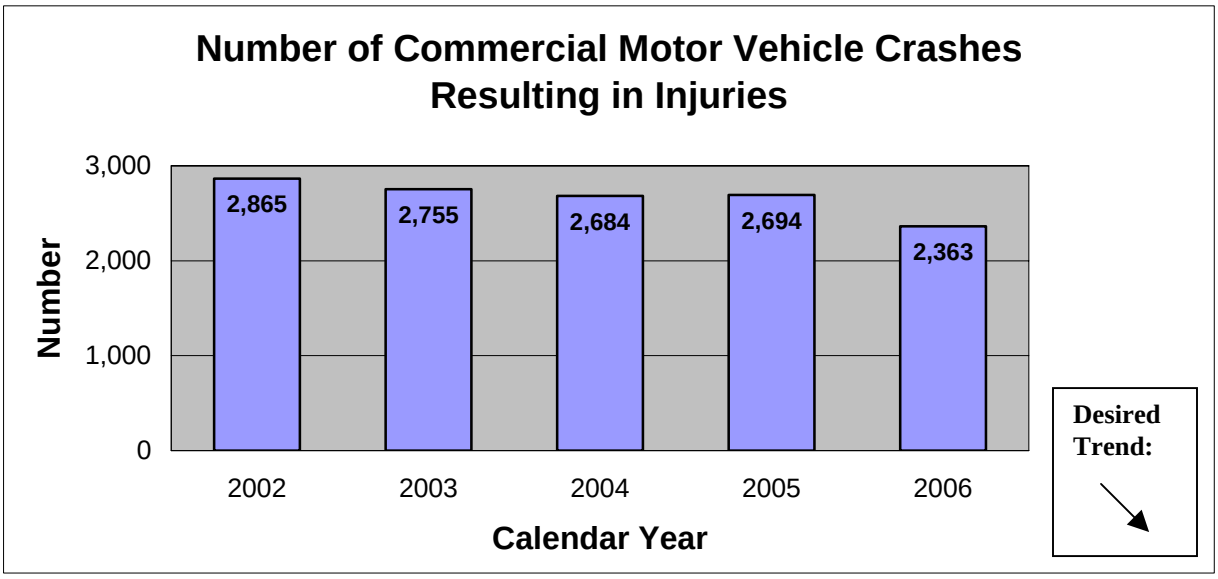
Result Driver: Don Hillis, Director of Systems Management
Measurement Driver: Charles Gohring, Motor Carrier Services Program Manager

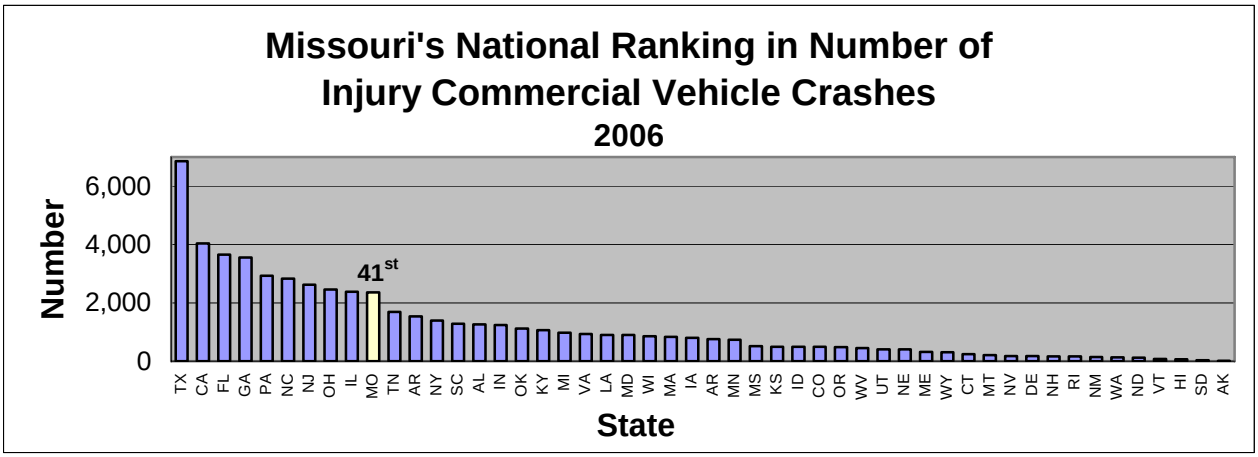
Purpose of the Measure:
This measure tracks number of commercial motor vehicles involved in injury crashes each year. MoDOT uses the information to target educational and enforcement efforts.

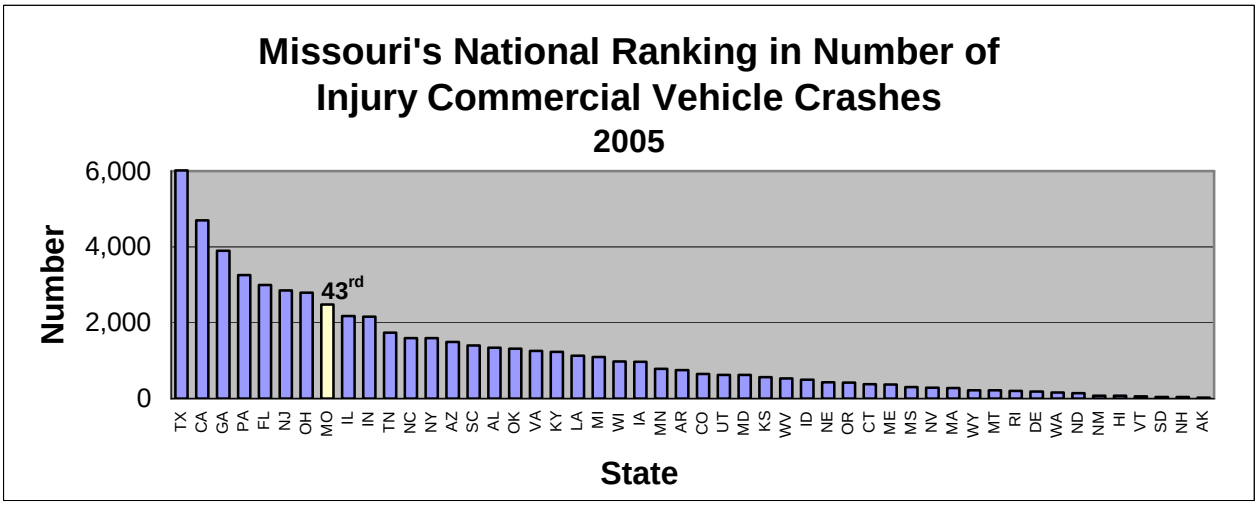
Measurement and Data Collection:
The Missouri State Highway Patrol collects and records crash statistics. The data for this measure reflects the number of commercial motor vehicles involved in crashes where one or more people are injured. This is an annual measure.

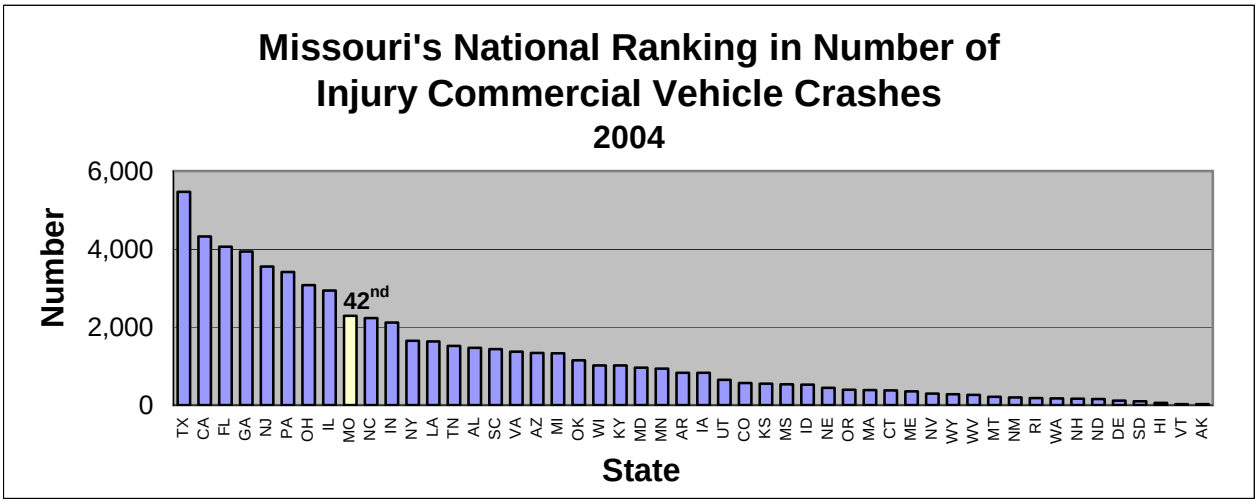
Improvement Status:
Between 2001 and 2004, the number of commercial motor vehicle crashes resulting in injuries decreased. The number of injury crashes notably decreased by 12 percent in 2006 to 2,363. The overall downward trend is due to the coordinated safety efforts of MoDOT, the Missouri State Highway Patrol, the Federal Motor Carrier Safety Administration Missouri Division, and the Kansas City and St. Louis police departments. MoDOT efforts include the installation of larger highway signs, highly reflective pavement markings, cable guardrails, roundabout intersections, incident management alert signs, rumble stripes, and intelligent transportation systems at scales. MoDOT conducts carrier safety training, regulation compliance reviews, safety audits of new motor carrier firms and truck inspections at terminals and destinations. The Missouri State Highway Patrol, St. Louis and Kansas City police departments conduct commercial vehicle roadside inspections in order to remove unsafe drivers and vehicles from the road.

Missouri ranked 41st in the number of injury crashes nationwide in 2006.




Missouri's National Ranking in Number of
Injury Commercial Vehicle Crashes
2006
Number
6,000
4,000
2,000
0
41st
TX CA FL GA PA NC NJ OH IL MO TN AR NY SC AL IN OK KY MI VA LA MD WI MA IA AR MN MS KS ID CO OR WV UT NE ME WY CT MT NV DE NH RI NM WA ND VT HI SD AK
State


Missouri's National Ranking in Number of
Injury Commercial Vehicle Crashes
2005
Number
6,000
4,000
2,000
0
43rd
TX CA GA PA FL NJ OH MO IL IN TN NC NY AZ SC AL OK VA KY LA MI WI IA MN AR CO UT MD KS WV ID NE OR CT ME MS NV MA WY MT RI DE WA ND NM HI VT SD NH AK
State


Missouri's National Ranking in Number of
Injury Commercial Vehicle Crashes
2004
Number
6,000
4,000
2,000
0
42nd
TX CA FL GA NJ PA OH IL MO NC IN NY LA TN AL SC VA AZ MI OK WI KY MD MN AR IA UT CO KS MS ID NE OR MA CT ME NV WY WV MT NM RI WA NH ND DE SD HI VT AK
State

Safe Transportation System

Number of fatalities and injuries in work zones

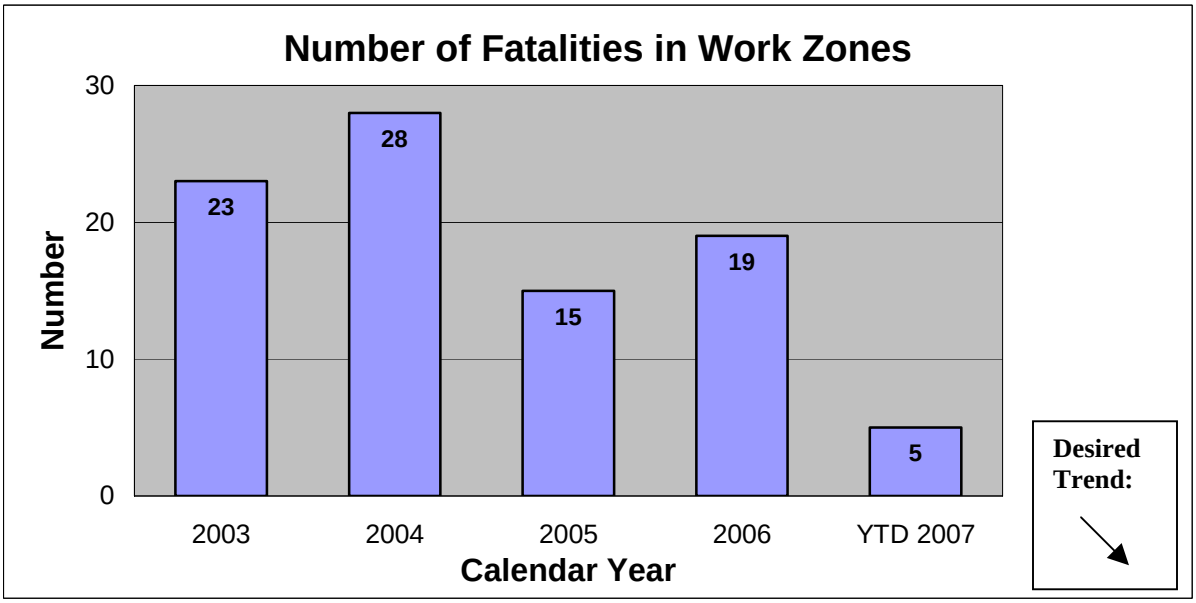
Result Driver: Don Hillis, Director of System Management
Measurement Driver: Brian Chandler, Traffic Liaison Engineer

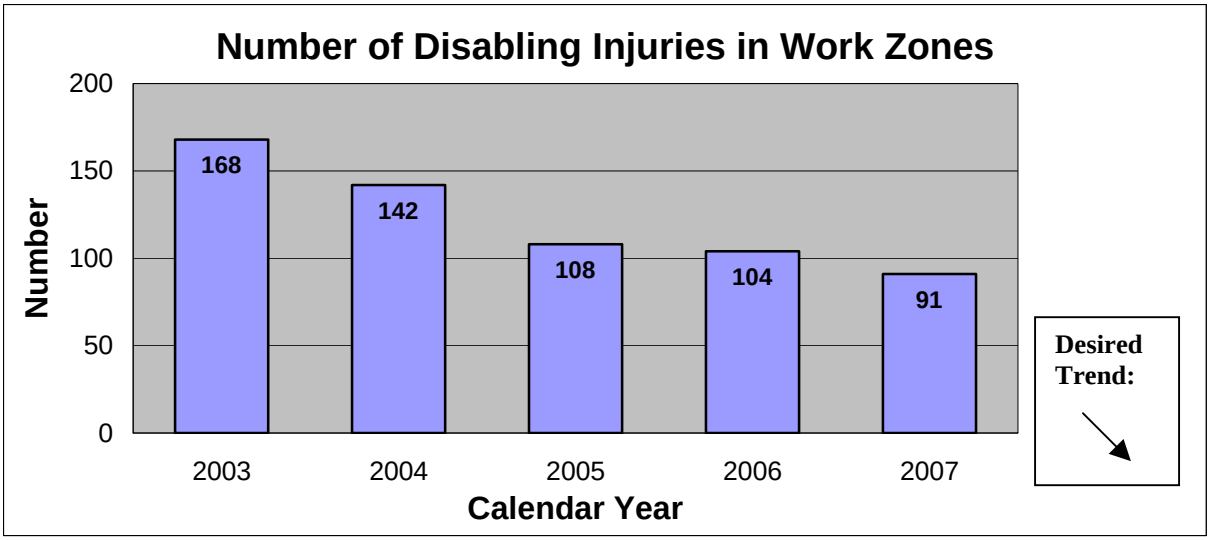
Purpose of the Measure:
An important factor in evaluating the safety of Missouri's transportation system is determining the safety of work zones on the state's roads. This measure tracks the number of traffic-related fatalities, disabling injuries, injuries, and crashes occurring in a work zone on any Missouri public road.

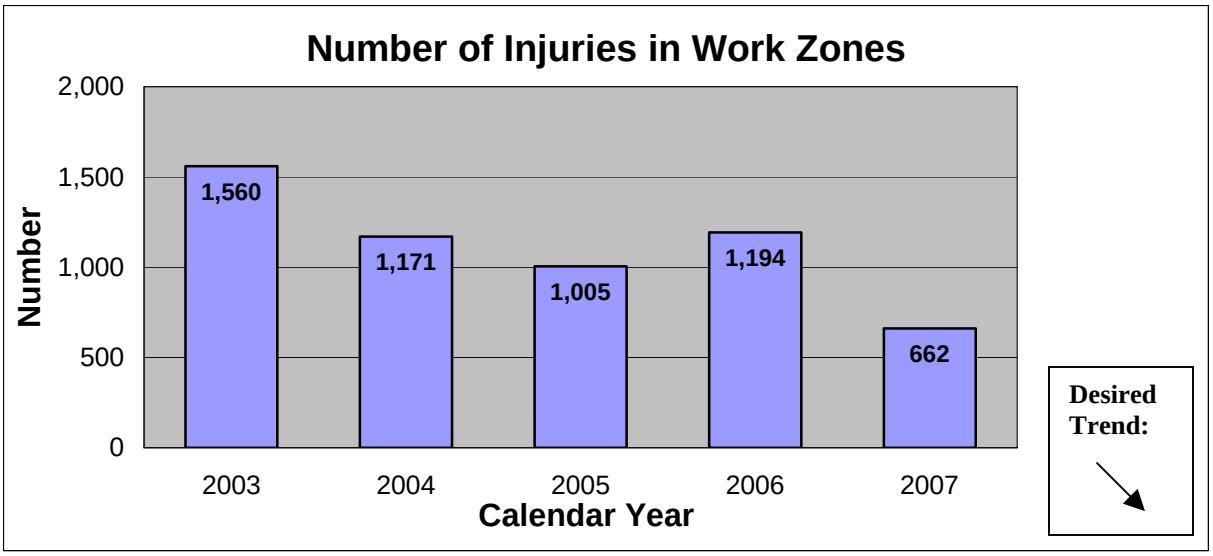
Measurement and Data Collection:
Missouri law enforcement agencies are required to report crashes by submitting a standardized vehicle accident report form to the Missouri State Highway Patrol. MSHP personnel enter these reports into a statewide traffic crash database. MoDOT staff queries this data to identify work zone-related crash statistics quarterly and report the results via this measurement.

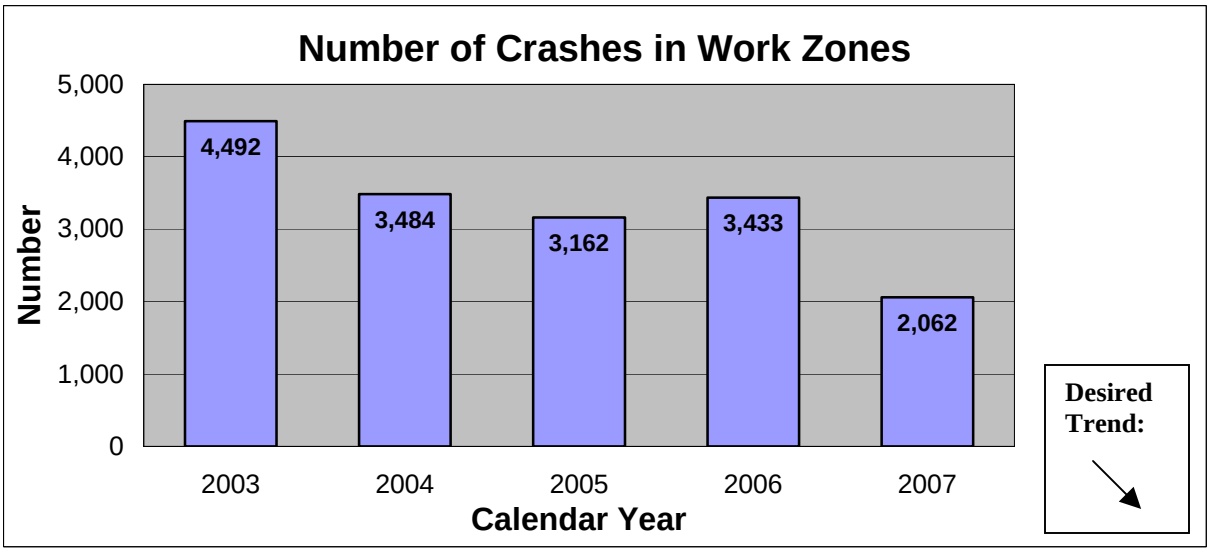
Improvement Status:
Crash statistics for calendar year 2007, while not yet final, indicate a 73 percent reduction in the number of fatalities, a 12 percent reduction in the number of disabling injuries, a 44 percent reduction in the number of injuries and a 40 percent reduction in the number of crashes occurring in Missouri's work zones when compared to the final numbers for calendar year 2006.

Missouri generally has experienced a downward trend in work zone-related fatalities, injuries, and crashes since 2002, with a steep reduction in three of the four major severity categories in 2007. Such improvement in work zone safety is attributable partially to the department's proactive approach to raising work zone safety awareness and minimizing impacts on the traveling public.




Number of Disabling Injuries in Work Zones
Number
200
150
100
50
0
168
142
108
104
91
2003
2004
2005
2006
2007
Calendar Year
Desired Trend:


Number of Injuries in Work Zones
Number
2,000
1,500
1,000
500
0
1,560
1,171
1,005
1,194
662
2003
2004
2005
2006
2007
Calendar Year
Desired Trend:


Number of Crashes in Work Zones
Number
5,000
4,000
3,000
2,000
1,000
0
4,492
3,484
3,162
3,433
2,062
2003
2004
2005
2006
2007
Calendar Year
Desired Trend:

Safe Transportation System

Number of highway-rail crossing fatalities and collisions

Results Driver: Don Hillis, Director of System Management
Measurement Driver: Rod Massman, Administrator of Railroads

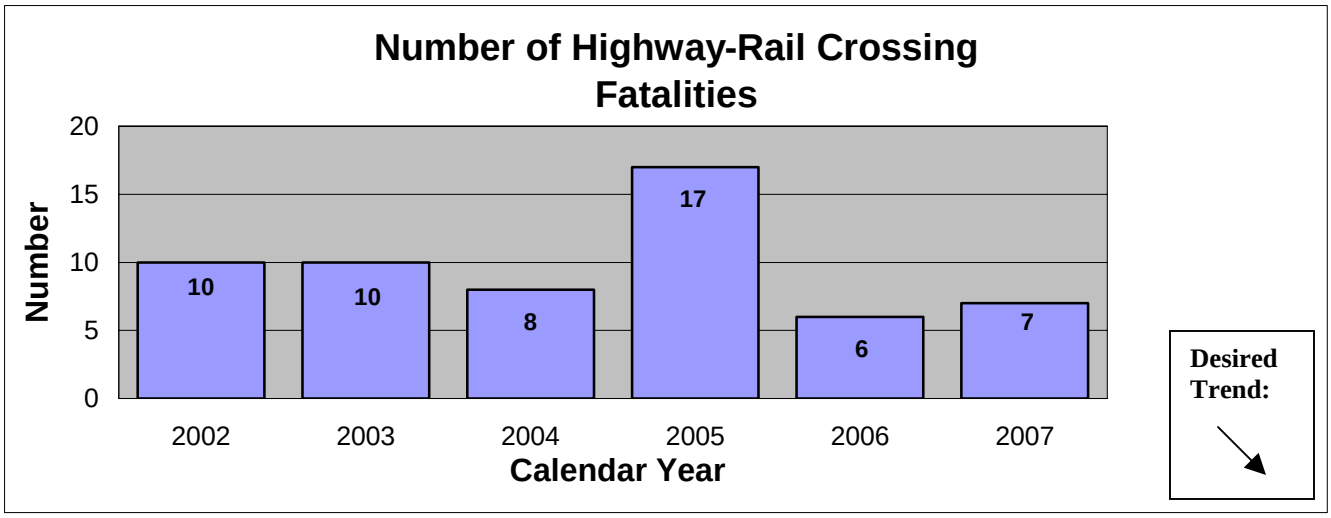
Purpose of the Measure:
This measure tracks annual trends in fatalities and collisions resulting from train-vehicle crashes at public railroad crossings in Missouri. This data drives the development and focus of the Missouri Highway Safety Plan. This plan is required annually by the National Highway Traffic Safety Administration and outlines key strategies to reduce these losses. In addition, this data supports the Missouri Blueprint for Safer Roadways. This document identifies the statewide initiatives with a goal of reducing fatalities to 1,000 or fewer by the end of 2008.

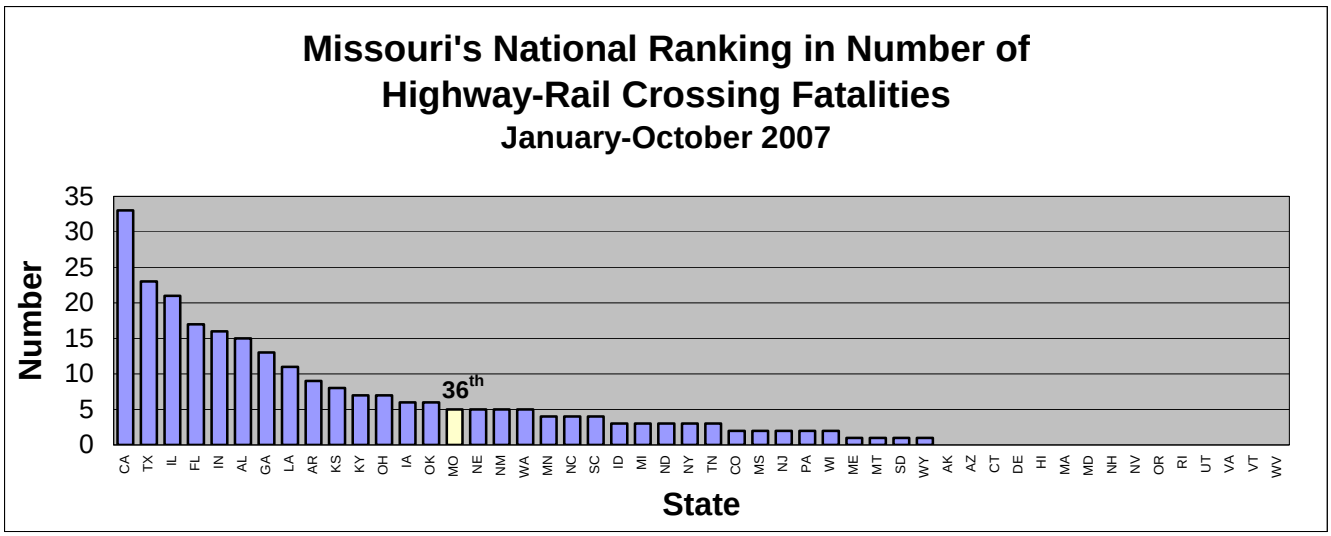
Measurement and Data Collection:
MoDOT collects crash data and enters it into a railroad safety information system used to update MoDOT's traffic management system. This does not include fatalities or collisions from those on railroad property at areas other than at public railroad crossings, which are tabulated separately. Missouri is then ranked with all other states using data from the Federal Railroad Administration that consists of the numbers of collisions and fatalities in each state. Data is updated quarterly.

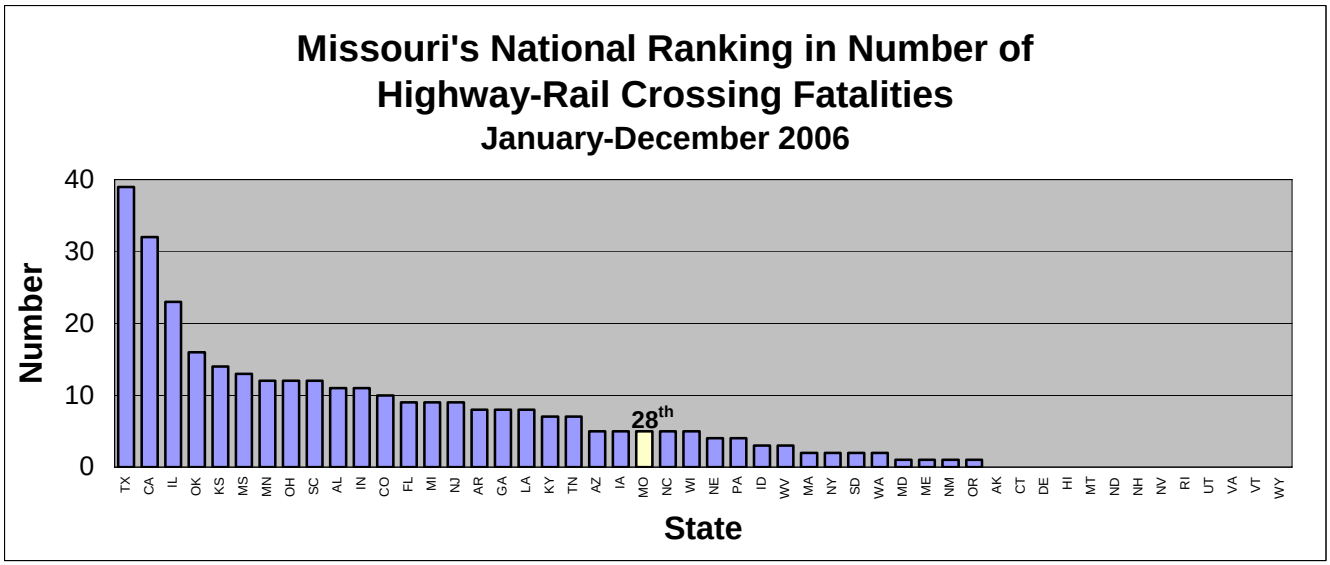
Improvement Status:
MoDOT continues to coordinate its railroad crossing projects in the areas of greatest need using a safety exposure index, in addition to focusing on crossings with a history of accidents or limited sight distance. By agreeing with the railroads to look at a defined area, called a corridor, and sharing financial responsibilities for improvements, limited funds can be spread over a wider area. This increases the number of overall projects completed in specific areas of the state.

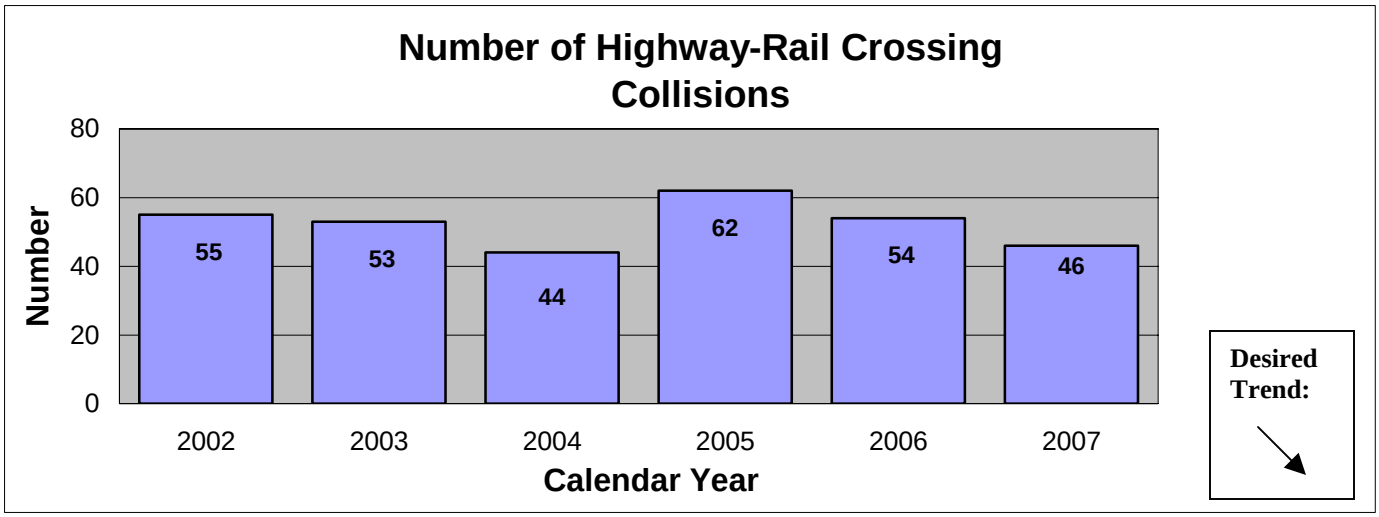
Other improvements include an increased emphasis on and MoDOT employee participation in public outreach opportunities on rail safety in conjunction with Operation Lifesaver, Inc. Another improvement is the exploration of partnerships with other government agencies, cities and school districts to upgrade flasher-only crossings to crossings with both lights and gates, to install gates and lights at crossings, and to replace outdated lighting with LED systems. There is also a renewed emphasis on closing unsafe, redundant or unnecessary crossings.

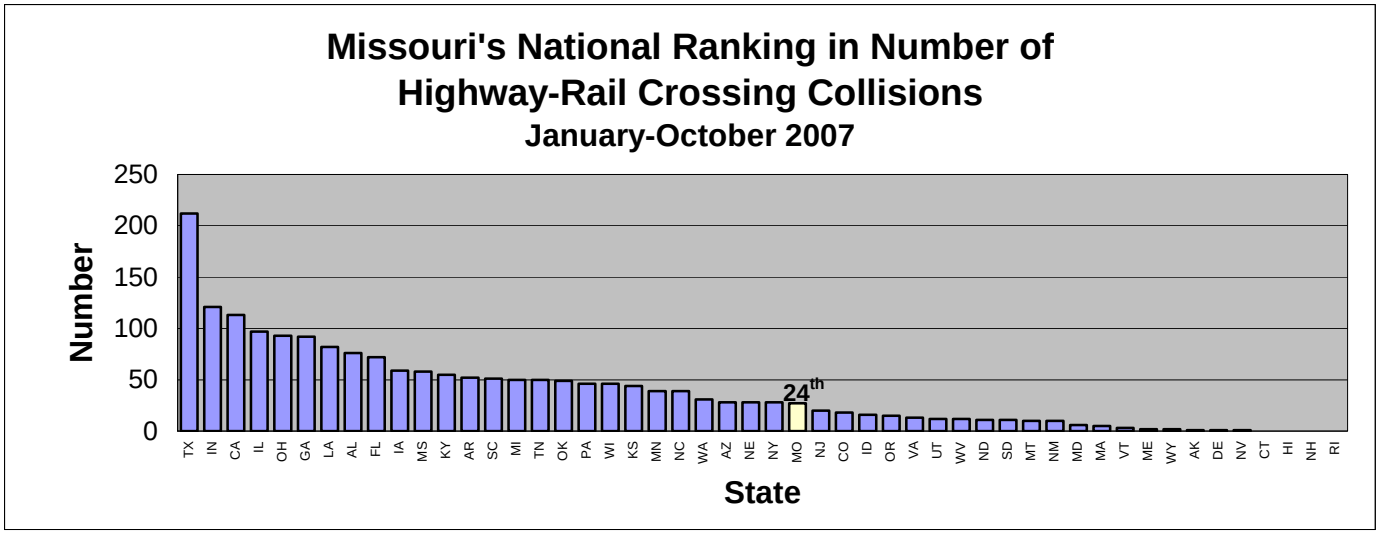
Although fatalities and collisions in calendar year 2006 were decreased markedly from 2005, in 2007 there were seven fatalities, which is about even the total for 2006, and 46 collisions. In order to combat this, MODOT has increased and implemented more public outreach efforts, along with engineering improvements. This has included distributing an emergency responder manual for train accidents, renewed effort to appear at driver's education classes to present rail crossing information, and having a MoDOT employee become certified in Operation Lifesaver training. Throughout 2007, MoDOT also co-sponsored "positive enforcement" efforts at crossings all across the state with the Missouri State Highway Patrol and Missouri Operation Lifesaver. The continuing focus throughout the year has been the three E's: engineering, education and enforcement. This continuing effort is designed to increase public awareness and discussion of the need for increased safety and heightened awareness at railroad crossings.

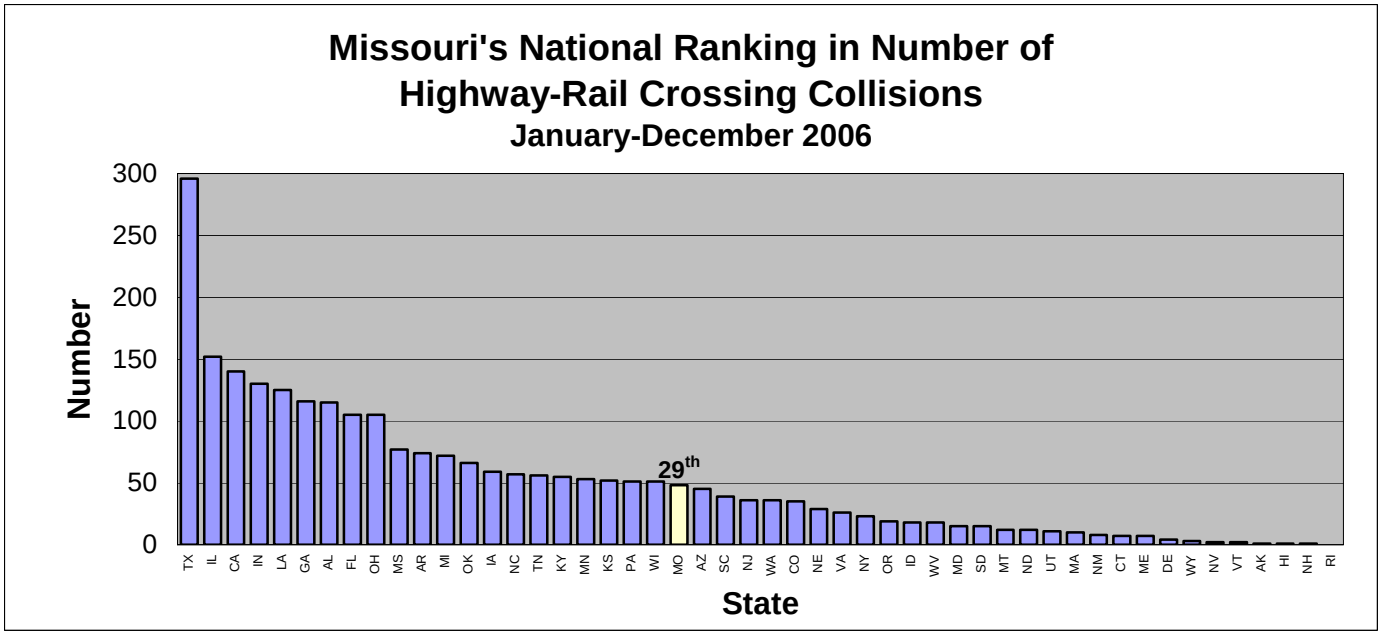

Number of Highway-Rail Crossing Fatalities
Number
20
15
10
5
0
10
10
8
17
6
7
2002
2003
2004
2005
2006
2007
Calendar Year
Desired Trend:


Missouri's National Ranking in Number of Highway-Rail Crossing Fatalities
January-October 2007
Number
35
30
25
20
15
10
5
0
36th
CA TX IL FL IN AL GA LA AR KS KY OH IA OK MO NE NM WA MN NC SC ID MI ND NY TN CO MS NJ PA WI ME MT SD WY AK AZ CT DE HI MA MD NH NV OR RI UT VA VT WV
State


Missouri's National Ranking in Number of Highway-Rail Crossing Fatalities
January-December 2006
Number
40
30
20
10
0
28th
TX CA IL OK KS MS MN OH SC AL IN CO FL MI NJ AR GA LA KY TN AZ IA MO NC WI NE PA ID WV MA NY SD WA MD ME NM OR AK CT DE HI MT ND NH NV RI UT VA VT WY
State


Number of Highway-Rail Crossing Collisions
Number
80
60
40
20
0
55
53
44
62
54
46
2002
2003
2004
2005
2006
2007
Calendar Year
Desired Trend:


Missouri's National Ranking in Number of Highway-Rail Crossing Collisions
January-October 2007
Number
250
200
150
100
50
0
24th
TX IN CA IL OH GA LA AL FL IA MS KY AR SC MI TN OK PA WI KS MN NC WA AZ NE NY MO NJ CO ID OR VA UT WV ND SD MT NM MD MA VT ME WY AK DE NV CT HI NH RI
State


Missouri's National Ranking in Number of Highway-Rail Crossing Collisions
January-December 2006
Number
300
250
200
150
100
50
0
29th
TX IL CA IN LA GA AL FL OH MS AR MI OK IA NC TN KY MN KS PA WI MO AZ SC NJ WA CO NE VA NY OR ID WV MD SD MT ND UT MA NM CT ME DE WY NV VT AK HI NH RI
State